

Data File : VW008802.D
Acq On : 25 Feb 2019 13:09
Operator : SY/VA
Sample : VW0225SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

Quant Time: Feb 26 03:40:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	315036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147652	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.88	113	144738	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.32	98	545252	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	202873	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64906	20.570	ug/l	92
3) Chloromethane	2.21	50	79457	20.687	ug/l	96
4) Vinyl Chloride	2.35	62	82345	20.249	ug/l	100
5) Bromomethane	2.76	94	61375	20.319	ug/l	98
6) Chloroethane	2.91	64	54749	18.959	ug/l	98
7) Trichlorofluoromethane	3.25	101	114902	22.340	ug/l	95
8) Diethyl Ether	3.69	74	31318	19.233	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	68762	22.016	ug/l	98
10) Methyl Iodide	4.27	142	75539	19.341	ug/l	98
11) Tert butyl alcohol	5.17	59	23625	89.811	ug/l	99
12) 1,1-Dichloroethene	4.04	96	61282	22.217	ug/l	87
13) Acrolein	3.90	56	20471	87.722	ug/l	98
14) Allyl chloride	4.67	41	101387	21.297	ug/l	96
15) Acrylonitrile	5.37	53	61992	88.710	ug/l	98
16) Acetone	4.13	43	64112	93.610	ug/l	94
17) Carbon Disulfide	4.38	76	187328	20.469	ug/l	98
18) Methyl Acetate	4.67	43	27473	16.912	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	144178	19.311	ug/l	99
20) Methylene Chloride	4.91	84	77463	19.882	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	68765	21.552	ug/l	91
22) Diisopropyl ether	6.31	45	196460	20.687	ug/l	99
23) Vinyl Acetate	6.25	43	576473	98.247	ug/l	99
24) 1,1-Dichloroethane	6.21	63	117586	21.367	ug/l	99
25) 2-Butanone	7.17	43	85104	88.880	ug/l	95
26) 2,2-Dichloropropane	7.17	77	115583	23.134	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	72789	21.327	ug/l	97
28) Bromochloromethane	7.51	49	49430	21.465	ug/l	99
29) Tetrahydrofuran	7.53	42	53296	87.342	ug/l	98
30) Chloroform	7.67	83	121186	21.466	ug/l	95
31) Cyclohexane	7.95	56	122175	21.933	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	113687	22.144	ug/l	97
36) 1,1-Dichloropropene	8.08	75	96728	21.962	ug/l	97
37) Ethyl Acetate	7.26	43	35140	17.157	ug/l	99
38) Carbon Tetrachloride	8.07	117	106095	22.841	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117836	21.449	ug/l	97
40) Benzene	8.32	78	260084	21.628	ug/l	98
41) Methacrylonitrile	7.48	41	21302	17.694	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77876	20.443	ug/l	96
43) Isopropyl Acetate	8.42	43	73206	17.909	ug/l	98
44) Trichloroethene	9.09	130	75911	22.408	ug/l	99
45) 1,2-Dichloropropane	9.37	63	63838	21.482	ug/l	90
46) Dibromomethane	9.46	93	32790	19.837	ug/l	99
47) Bromodichloromethane	9.65	83	87127	21.665	ug/l	94
48) Methyl methacrylate	9.43	41	32318	16.508	ug/l	94
49) 1,4-Dioxane	9.45	88	8969	338.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	172483	83.112	ug/l	100
52) Toluene	10.39	92	171376	20.999	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84439	20.600	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	101520	21.715	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46566	20.773	ug/l	98
56) Ethyl methacrylate	10.65	69	50730	17.419	ug/l	100
57) 1,3-Dichloropropane	10.93	76	78078	19.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142601	97.355	ug/l	99
59) 2-Hexanone	10.97	43	121706	82.384	ug/l	99
60) Dibromochloromethane	11.13	129	55780	20.401	ug/l	98
61) 1,2-Dibromoethane	11.23	107	43699	19.694	ug/l	99
64) Tetrachloroethene	10.86	164	64497	21.166	ug/l	98
65) Chlorobenzene	11.66	112	189271	21.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	64235	21.224	ug/l	97
67) Ethyl Benzene	11.73	91	338140	21.132	ug/l	99
68) m/p-Xylenes	11.84	106	272126	42.563	ug/l	99
69) o-Xylene	12.16	106	127110	21.182	ug/l	99
70) Styrene	12.18	104	199272	20.640	ug/l	99
71) Bromoform	12.35	173	30970	19.036	ug/l #	99
73) Isopropylbenzene	12.47	105	345431	21.820	ug/l	100
74) N-amyl acetate	12.27	43	67467	16.919	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	48356	18.694	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	66145	34.692	ug/l #	100
77) Bromobenzene	12.75	156	78907	21.092	ug/l	98
78) n-propylbenzene	12.80	91	421410	21.761	ug/l	100
79) 2-Chlorotoluene	12.90	91	232897	21.183	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	299774	21.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	15151	19.319	ug/l	92
82) 4-Chlorotoluene	12.99	91	250542	21.624	ug/l	100
83) tert-Butylbenzene	13.21	119	262642	22.079	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	300535	21.103	ug/l	99
85) sec-Butylbenzene	13.38	105	373132	21.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	335459	21.393	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	164871	21.241	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	160854	21.027	ug/l	98
89) n-Butylbenzene	13.83	91	319428	21.744	ug/l	99
90) Hexachloroethane	14.10	117	56885	22.160	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	139596	20.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8375	17.898	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022519\
Quantitation Report (Not Reviewed)

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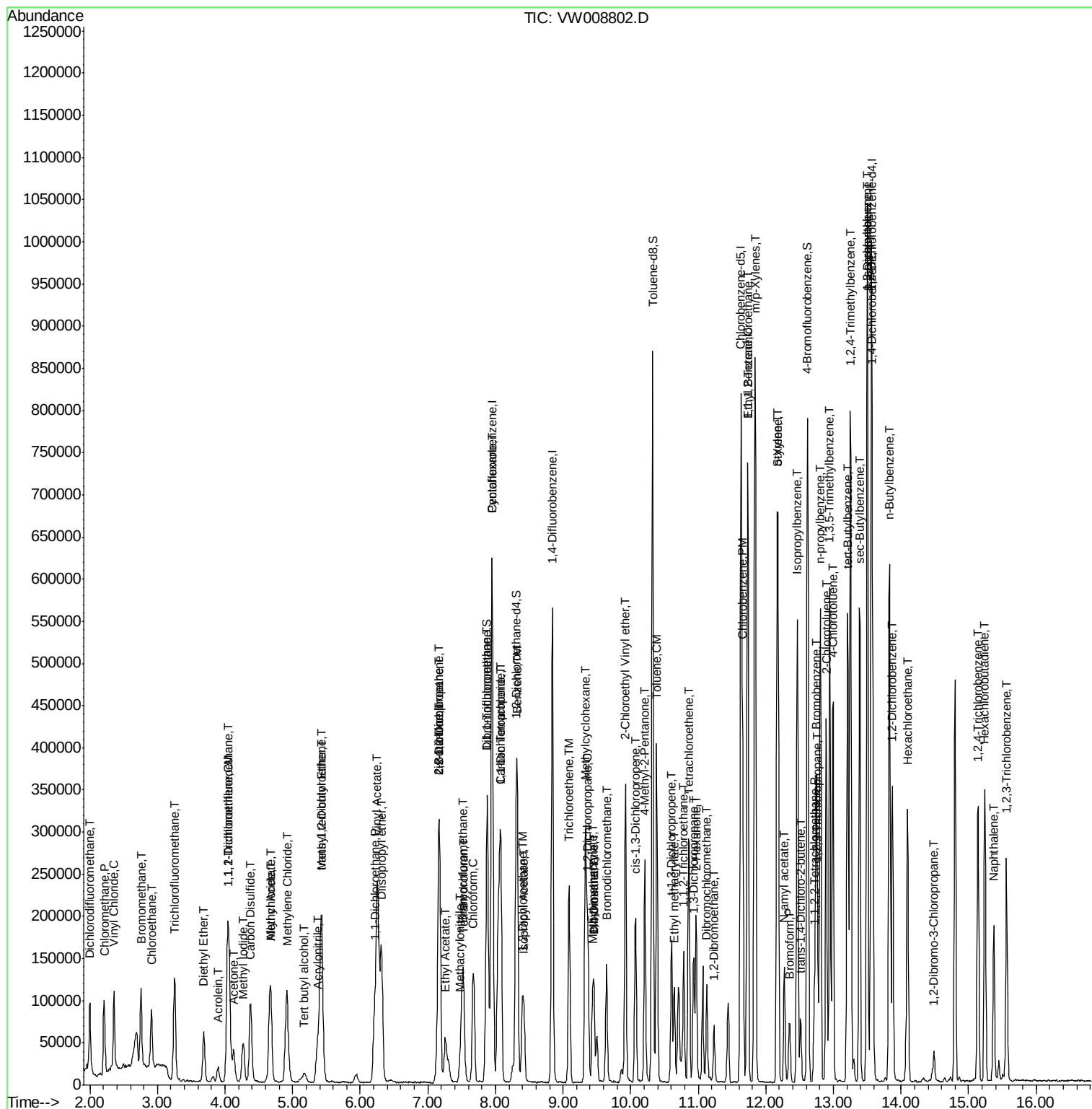
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	101899	20.449	ug/l	97
94) Hexachlorobutadiene	15.24	225	63601	21.669	ug/l	99
95) Naphthalene	15.37	128	155954	18.382	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	88534	20.549	ug/l	99

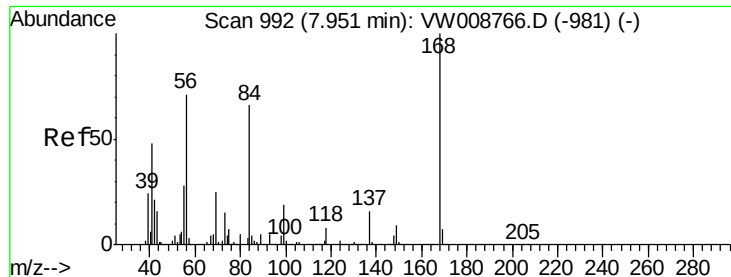
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

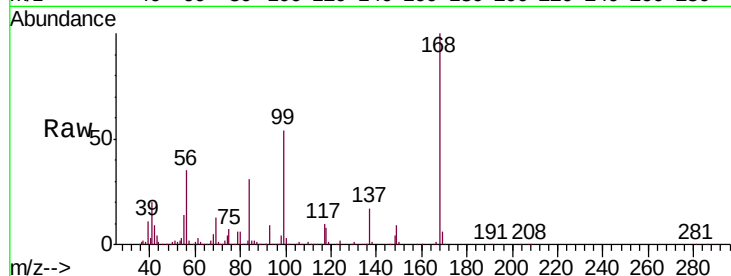
VW0225SBS01

Tgt Ion:168 Resp: 315036

Ion Ratio Lower Upper

168 100

99 53.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

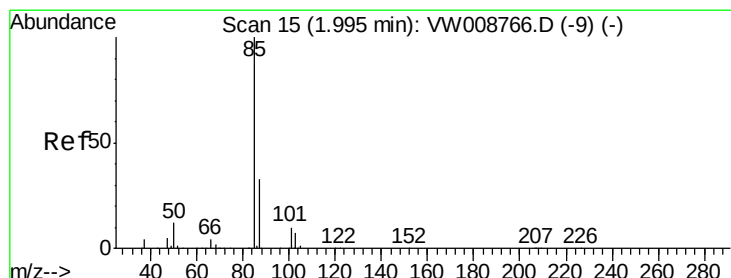
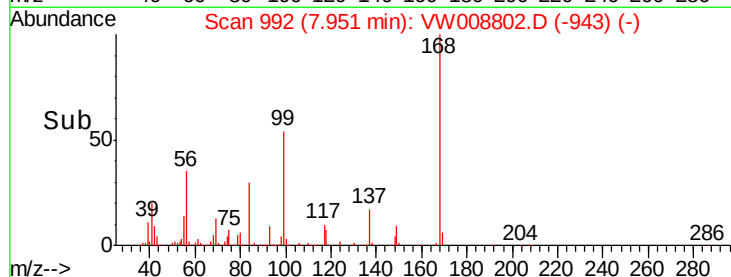
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.570 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008802.D

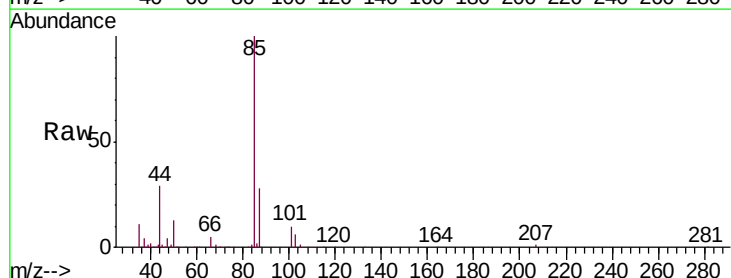
Acq: 25 Feb 2019 13:09

Tgt Ion: 85 Resp: 64906

Ion Ratio Lower Upper

85 100

87 28.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

50000

40000

30000

20000

10000

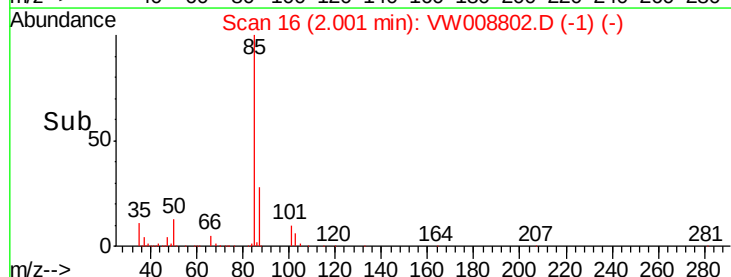
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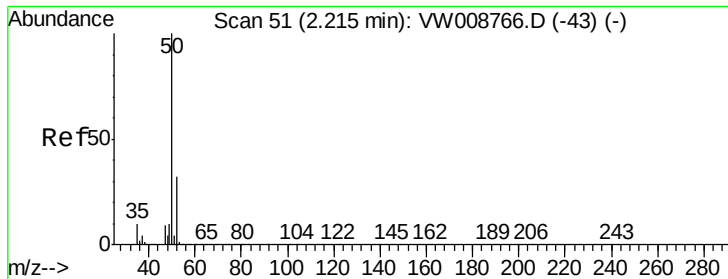
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 20.687 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

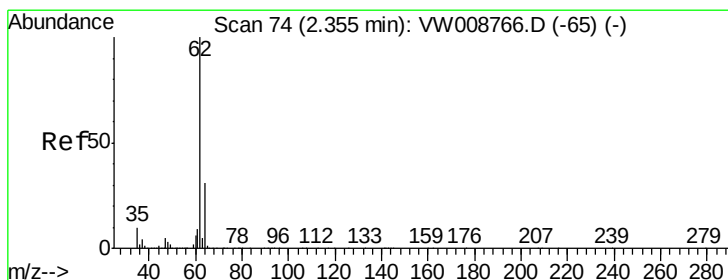
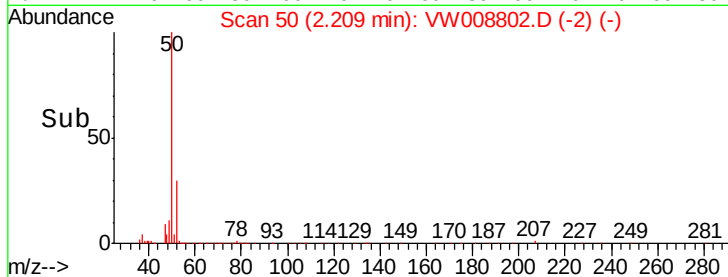
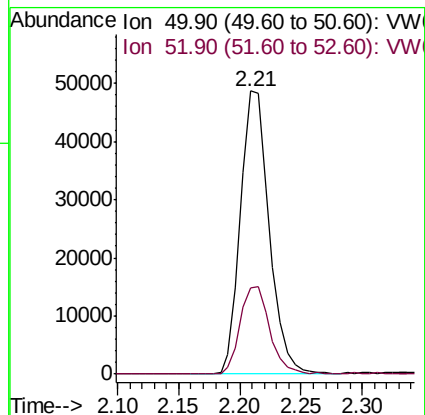
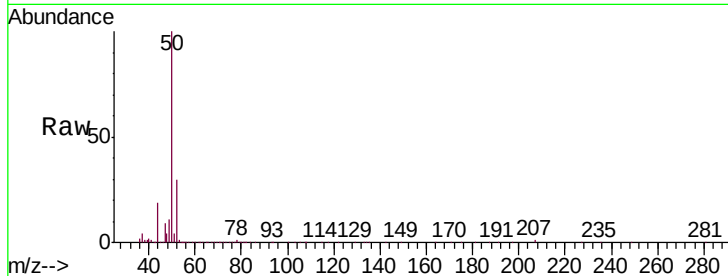
VW0225SBS01

Tgt Ion: 50 Resp: 79457

Ion Ratio Lower Upper

50 100

52 30.2 25.9 38.9



#4

Vinyl Chloride

Concen: 20.249 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008802.D

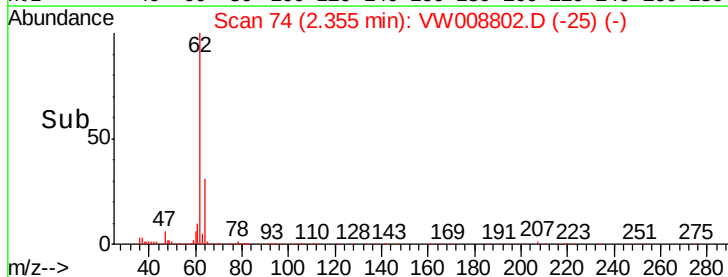
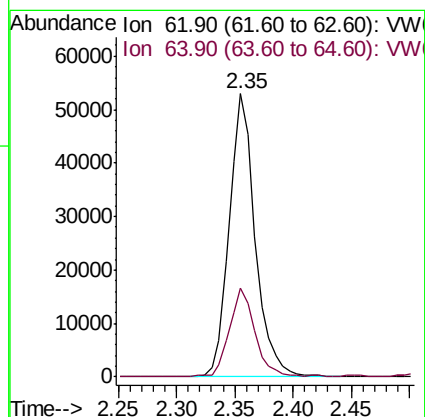
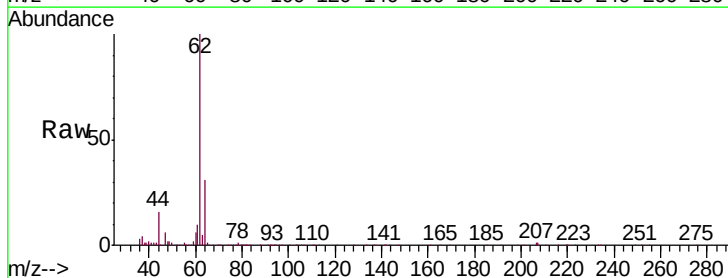
Acq: 25 Feb 2019 13:09

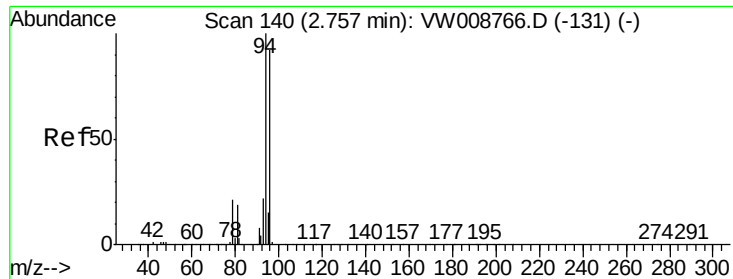
Tgt Ion: 62 Resp: 82345

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 20.319 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

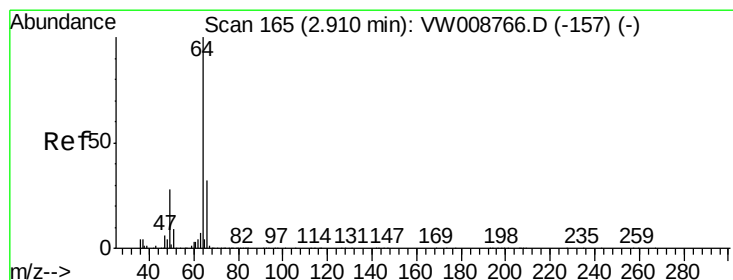
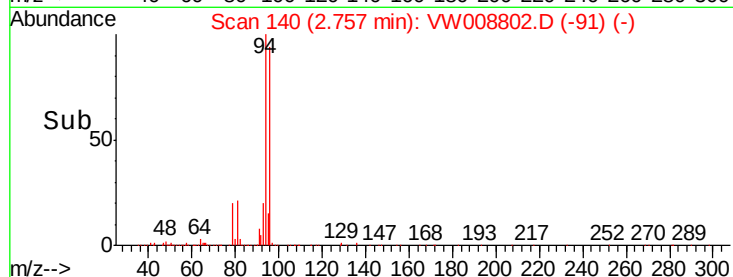
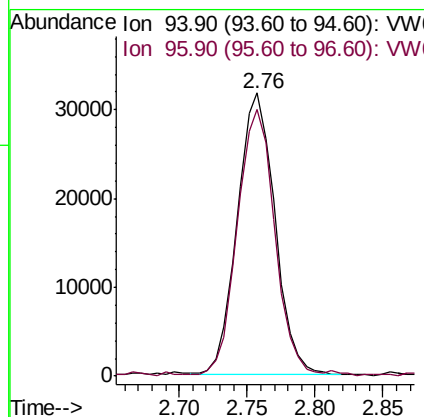
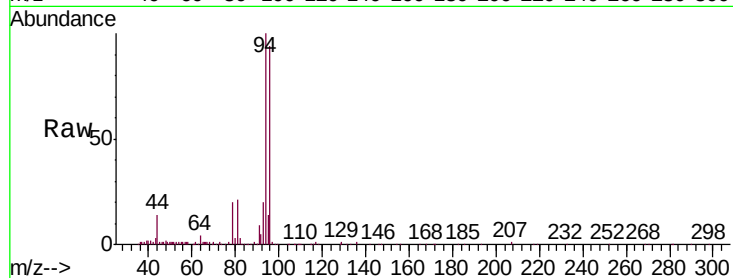
VW0225SBS01

Tgt Ion: 94 Resp: 61375

Ion Ratio Lower Upper

94 100

96 94.0 73.4 110.2



#6

Chloroethane

Concen: 18.959 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008802.D

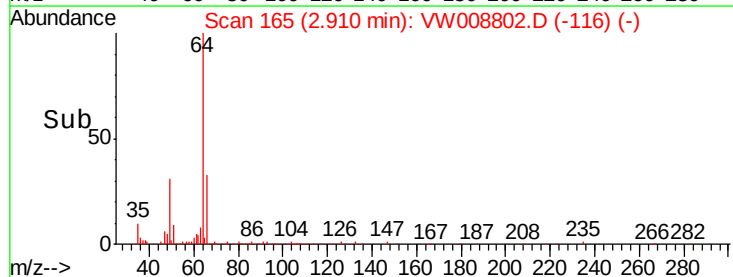
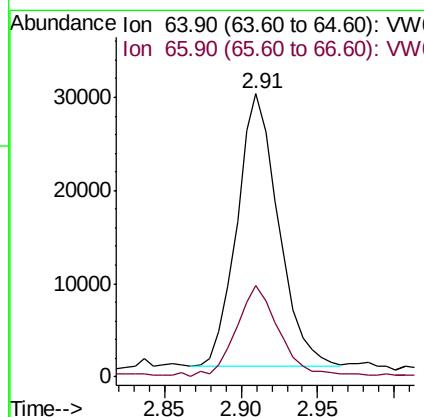
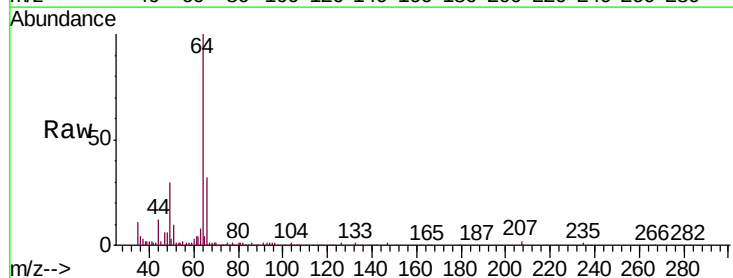
Acq: 25 Feb 2019 13:09

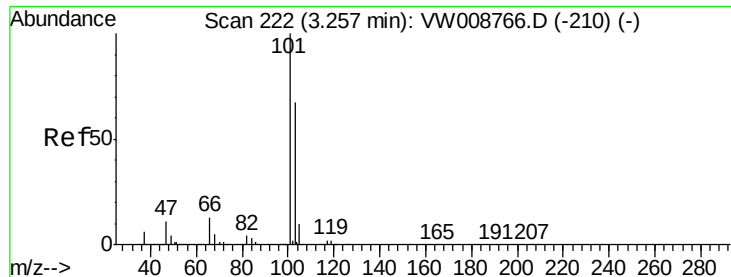
Tgt Ion: 64 Resp: 54749

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



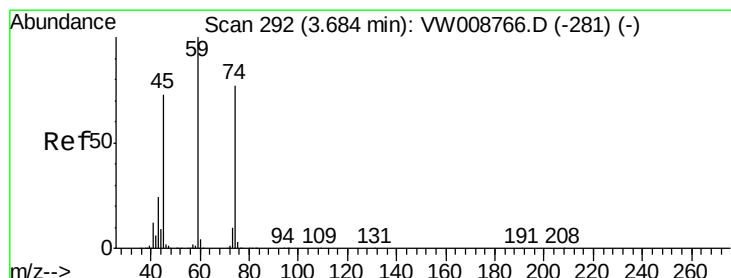
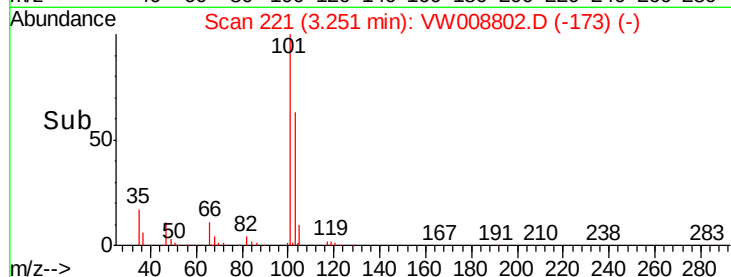
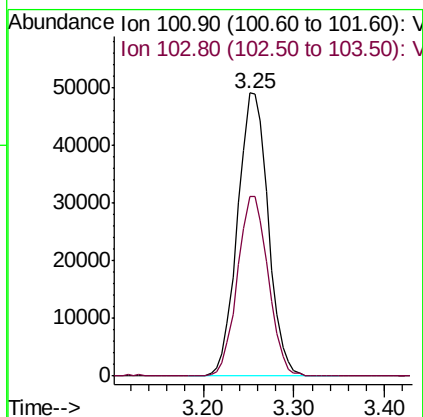
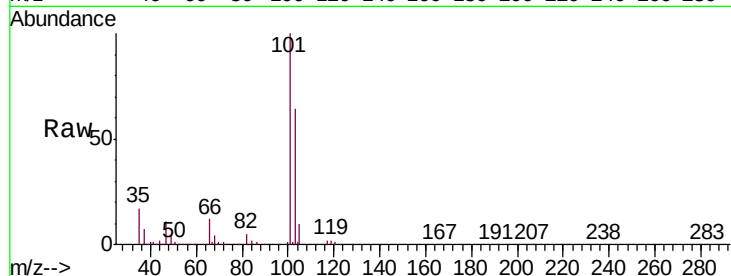


#7

Trichlorofluoromethane
 Concen: 22.340 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008802.D
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Instrument :
 MSVOA_W
 ClientSampled :
 VW0225SBS01

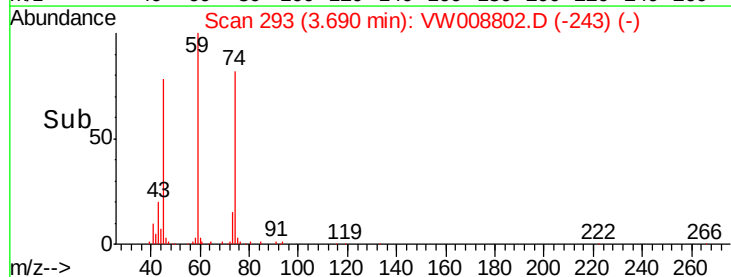
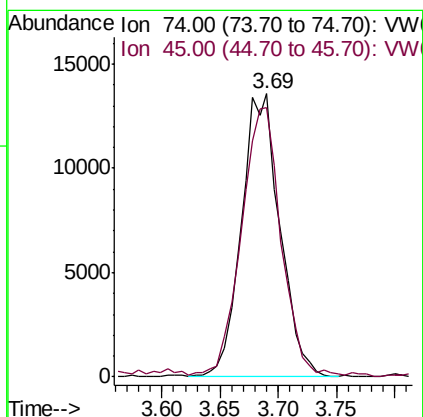
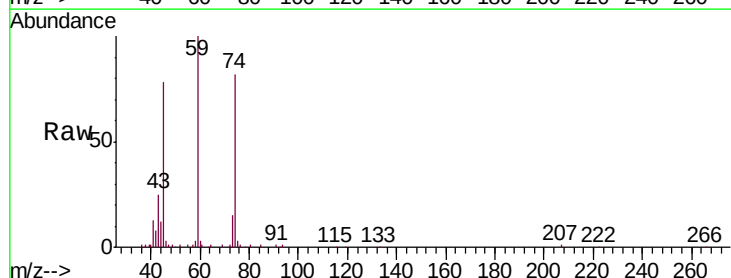
Tgt Ion:101 Resp: 114902
 Ion Ratio Lower Upper
 101 100
 103 63.5 53.9 80.9

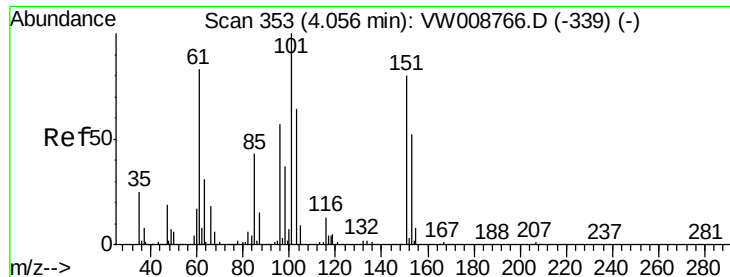


#8

Diethyl Ether
 Concen: 19.233 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 74 Resp: 31318
 Ion Ratio Lower Upper
 74 100
 45 96.5 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.016 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008802.D

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Instrument :

MSVOA_W

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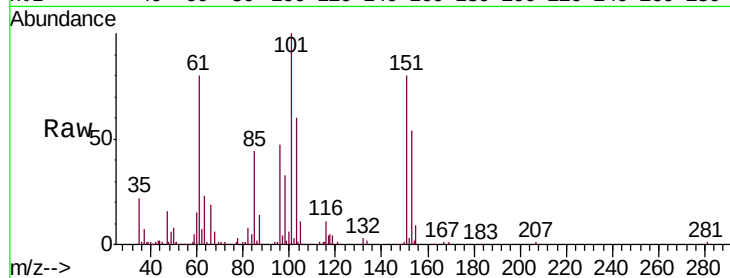
Tgt Ion:101 Resp: 68762

Ion Ratio Lower Upper

101 100

85 45.4 36.0 54.0

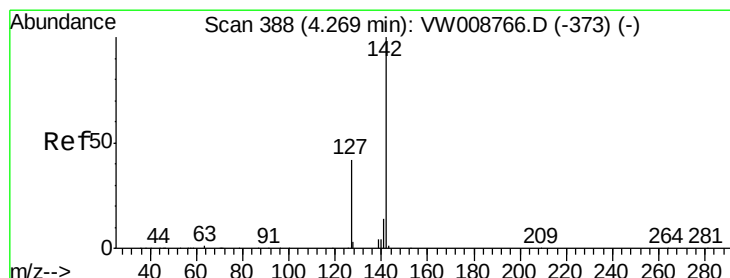
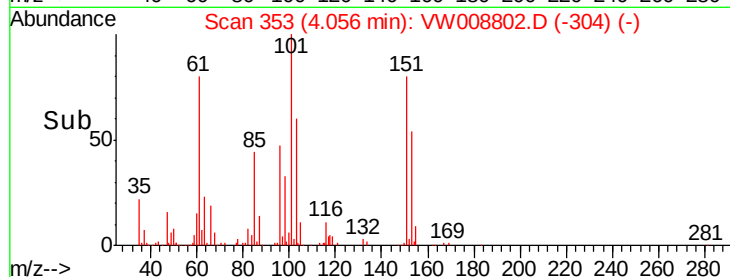
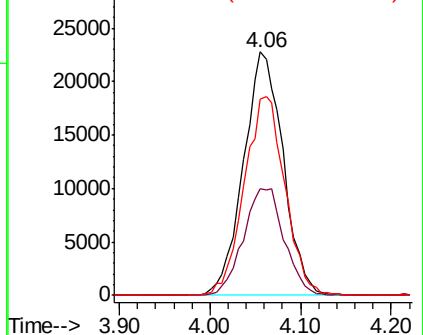
151 83.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.341 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

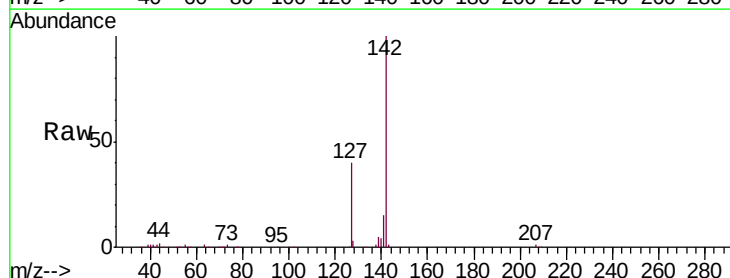
Tgt Ion:142 Resp: 75539

Ion Ratio Lower Upper

142 100

127 42.8 35.3 52.9

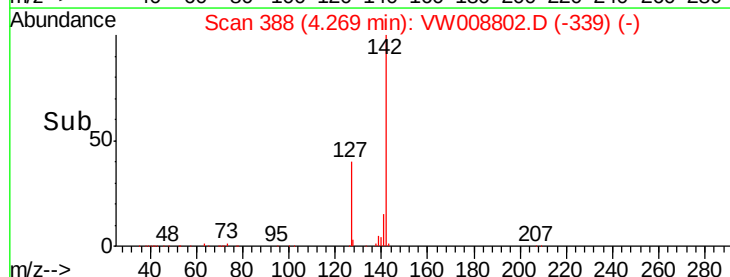
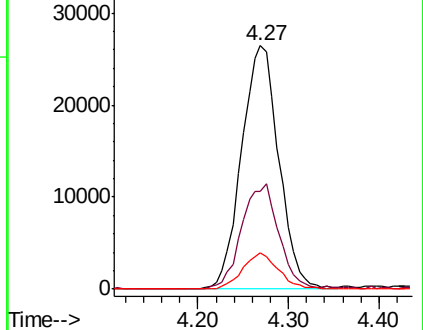
141 14.2 11.7 17.5

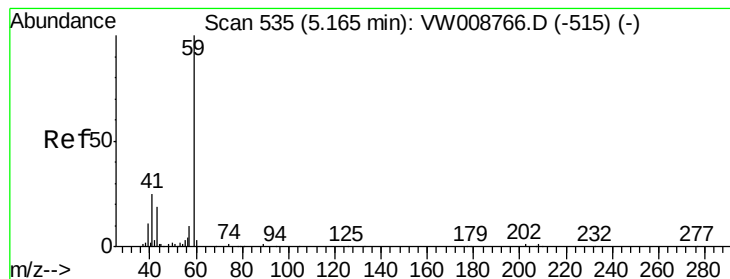


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.811 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

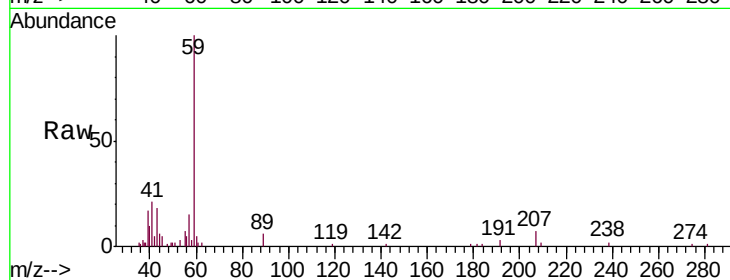
VW0225SBS01

Tgt Ion: 59 Resp: 23625

Ion Ratio Lower Upper

59 100

57 11.3 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

6000

5000

4000

3000

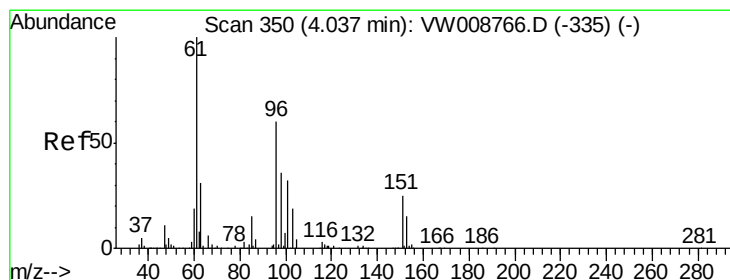
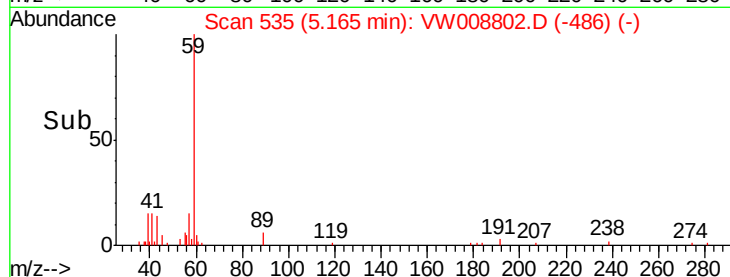
2000

1000

0

Time-->

5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 22.217 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

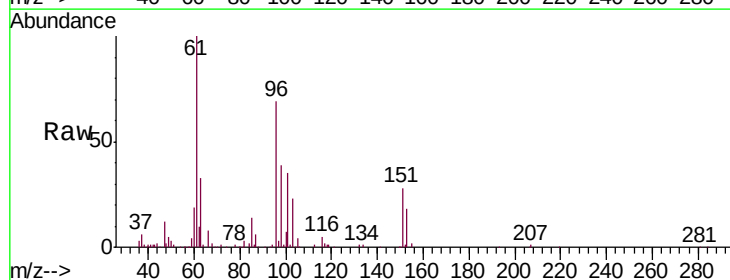
Tgt Ion: 96 Resp: 61282

Ion Ratio Lower Upper

96 100

61 144.1 132.5 198.7

98 56.3 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

4.04

50000

40000

30000

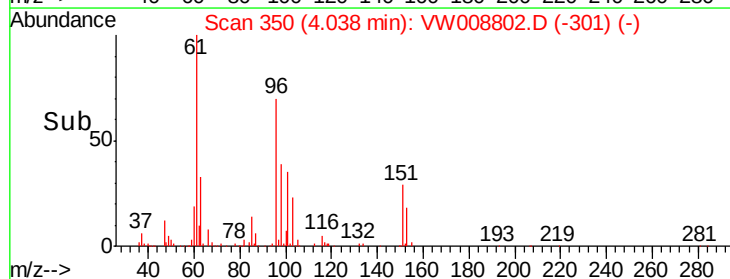
20000

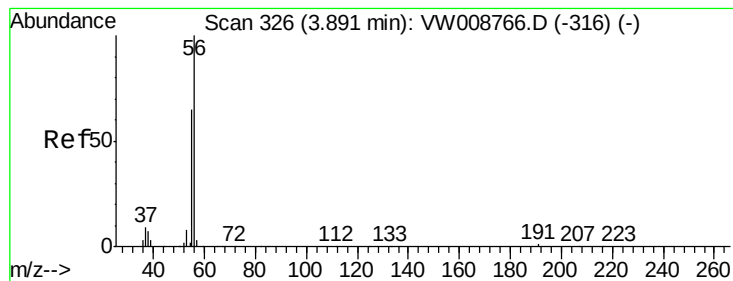
10000

0

Time-->

3.90 4.00 4.10





#13

Acrolein

Concen: 87.722 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

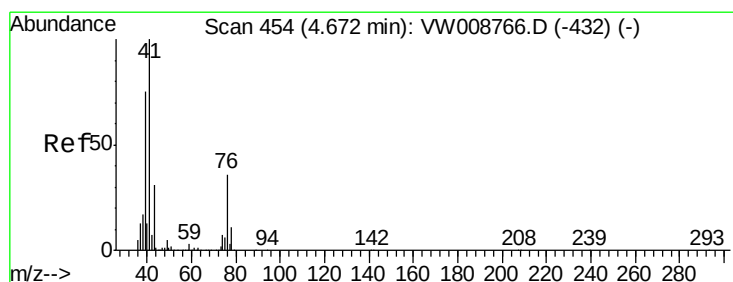
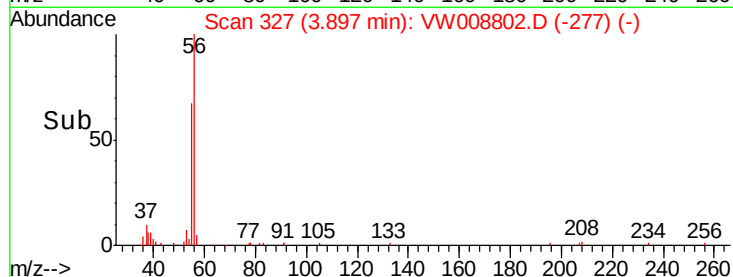
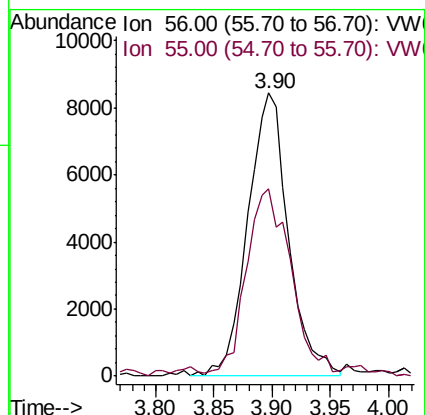
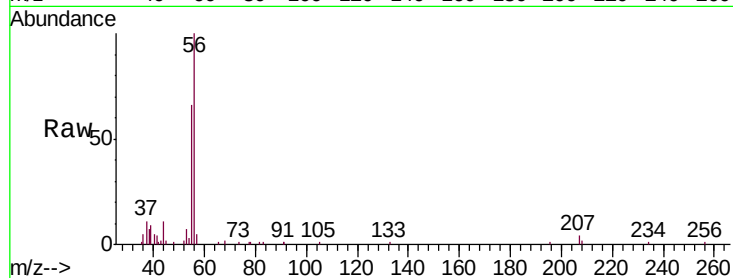
VW0225SBS01

Tgt Ion: 56 Resp: 20471

Ion Ratio Lower Upper

56 100

55 73.1 56.9 85.3



#14

Allyl chloride

Concen: 21.297 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

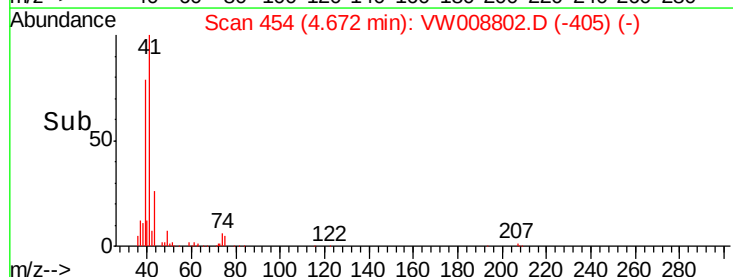
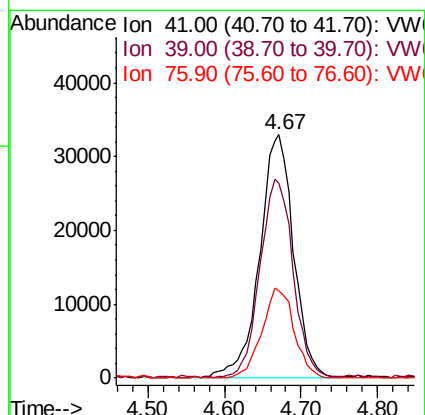
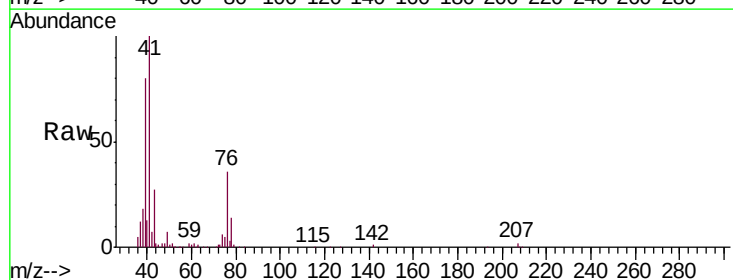
Tgt Ion: 41 Resp: 101387

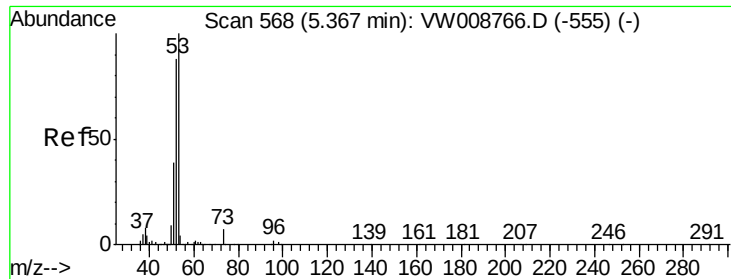
Ion Ratio Lower Upper

41 100

39 81.0 60.6 91.0

76 35.5 28.6 42.8





#15

Acrylonitrile

Concen: 88.710 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

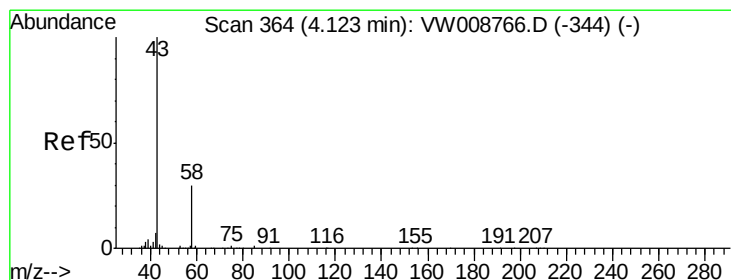
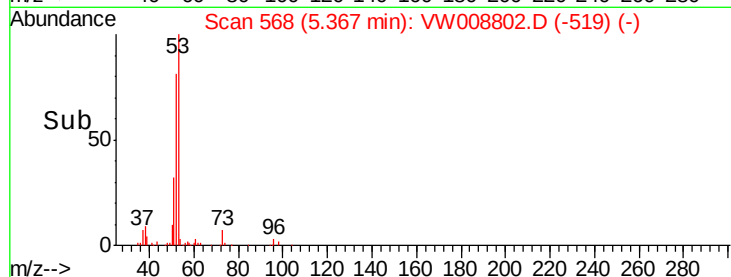
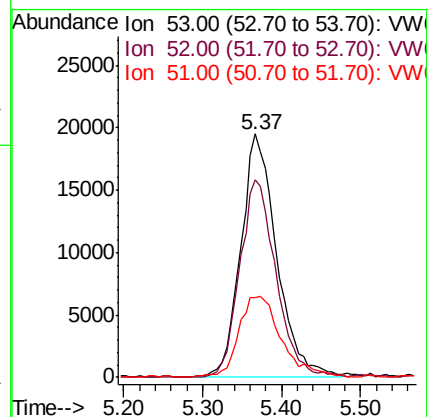
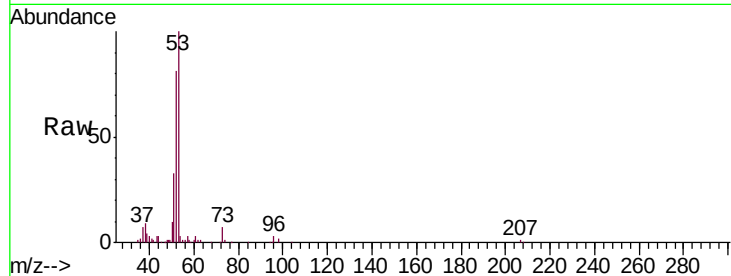
Tgt Ion: 53 Resp: 61992

Ion Ratio Lower Upper

53 100

52 81.6 67.2 100.8

51 39.4 31.1 46.7



#16

Acetone

Concen: 93.610 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008802.D

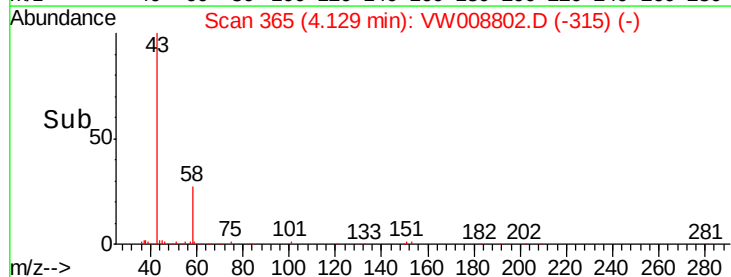
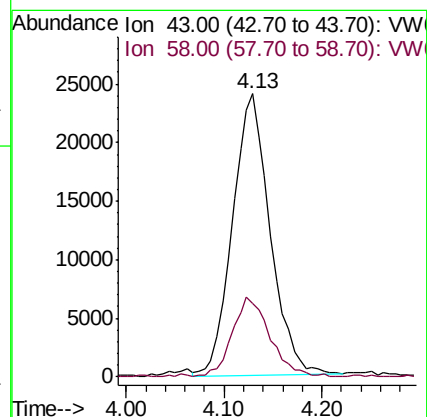
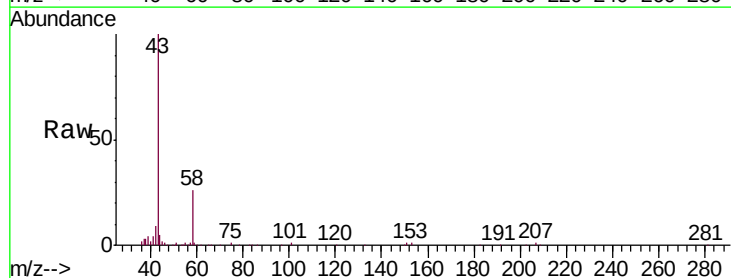
Acq: 25 Feb 2019 13:09

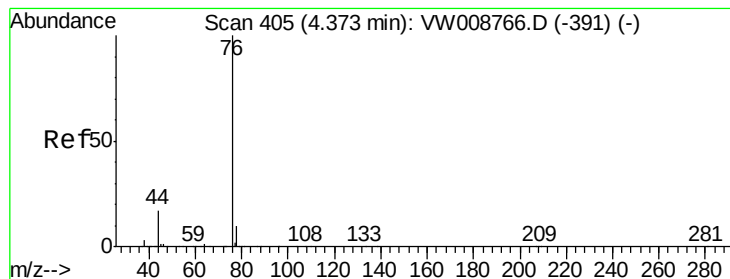
Tgt Ion: 43 Resp: 64112

Ion Ratio Lower Upper

43 100

58 26.4 23.8 35.6





#17

Carbon Disulfide

Concen: 20.469 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

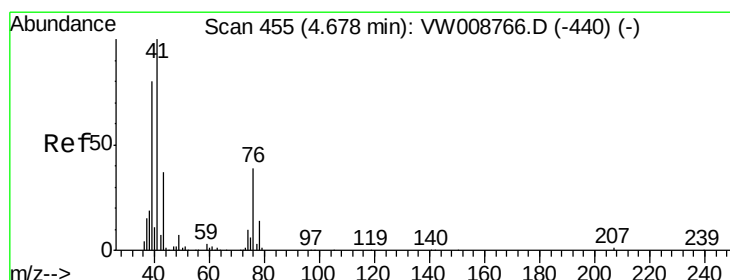
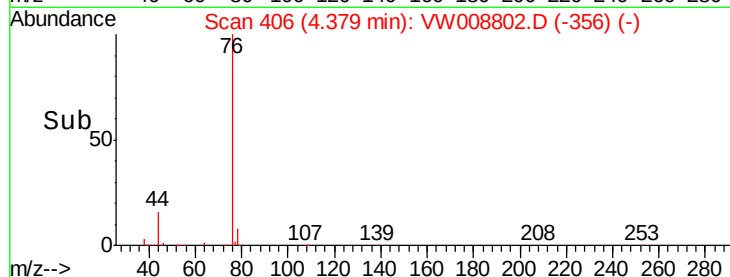
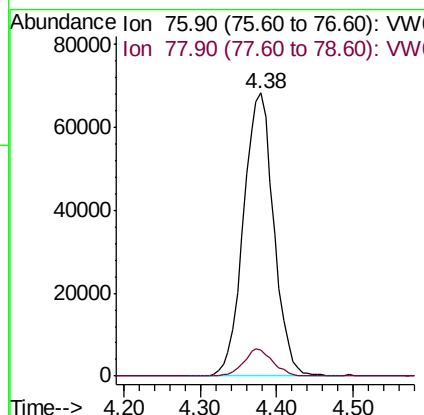
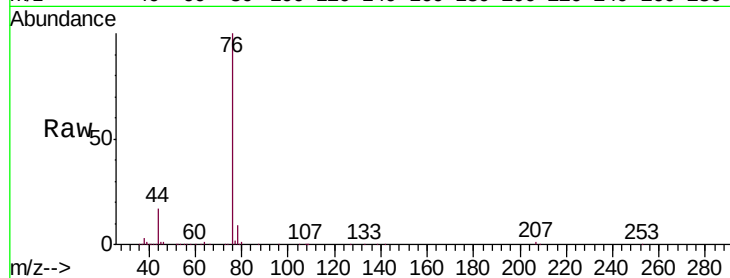
VW0225SBS01

Tgt Ion: 76 Resp: 187328

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8



#18

Methyl Acetate

Concen: 16.912 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008802.D

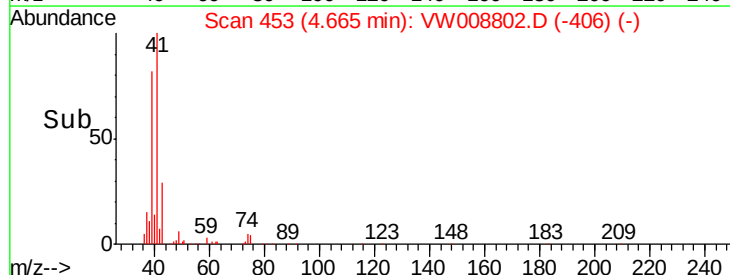
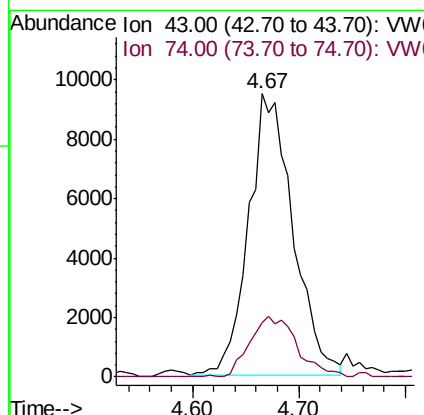
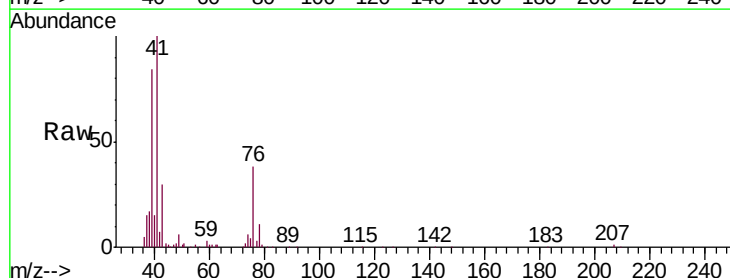
Acq: 25 Feb 2019 13:09

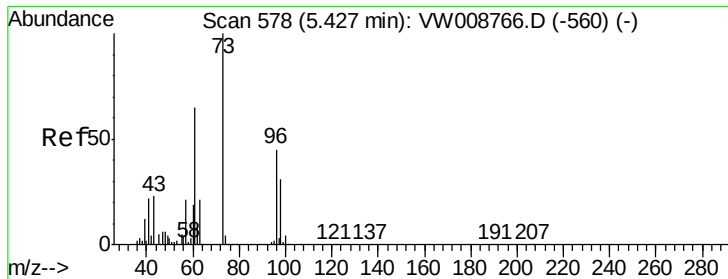
Tgt Ion: 43 Resp: 27473

Ion Ratio Lower Upper

43 100

74 22.9 19.4 29.2



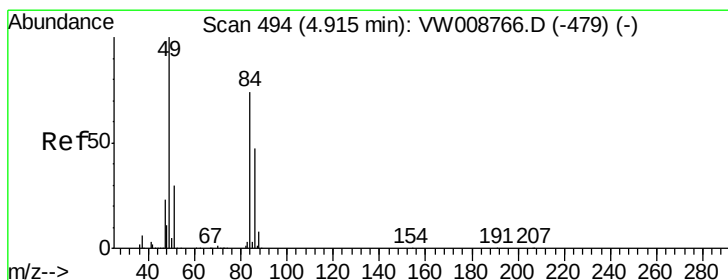
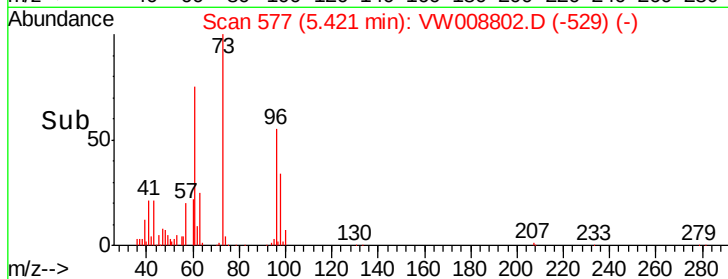
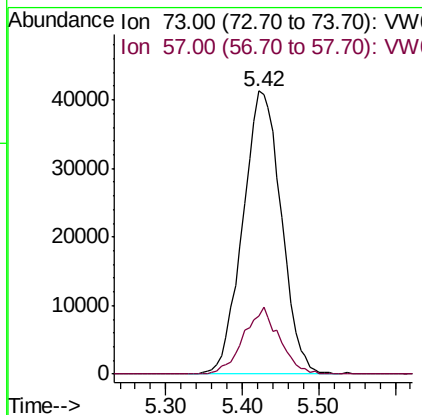
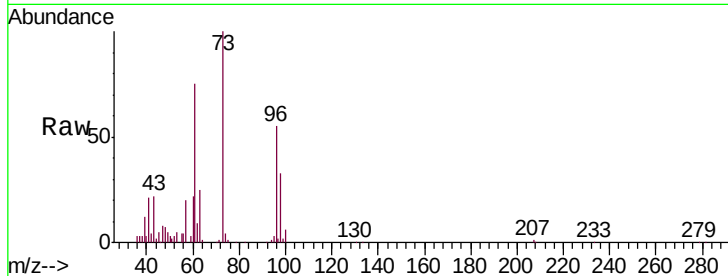


#19

Methyl tert-butyl Ether
 Concen: 19.311 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

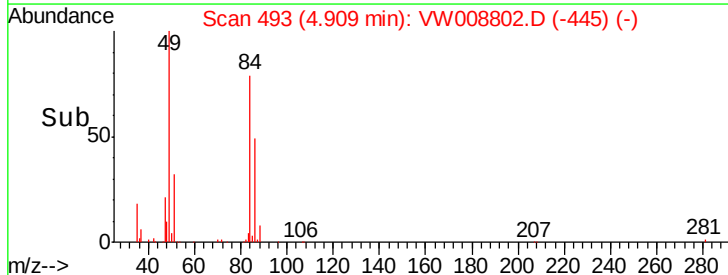
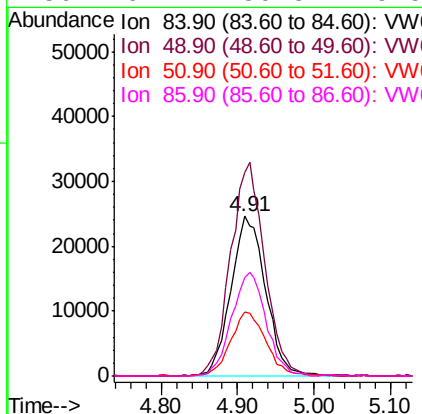
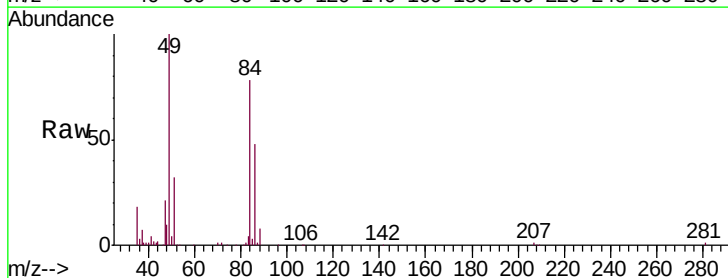
Tgt Ion: 73 Resp: 144178
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.8 25.2

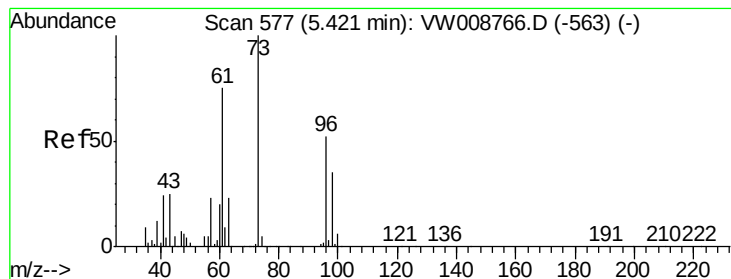


#20

Methylene Chloride
 Concen: 19.882 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 84 Resp: 77463
 Ion Ratio Lower Upper
 84 100
 49 127.1 108.2 162.2
 51 40.3 32.7 49.1
 86 61.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.552 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

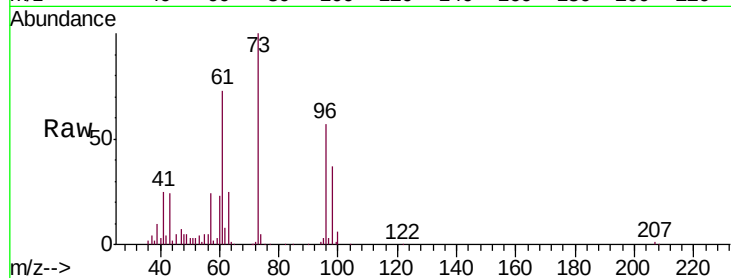
Tgt Ion: 96 Resp: 68765

Ion Ratio Lower Upper

96 100

61 128.2 114.6 171.8

98 65.8 54.0 81.0

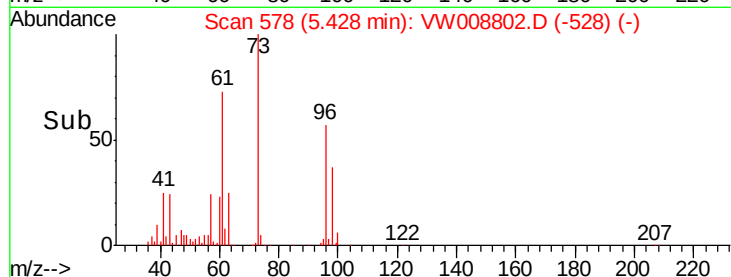
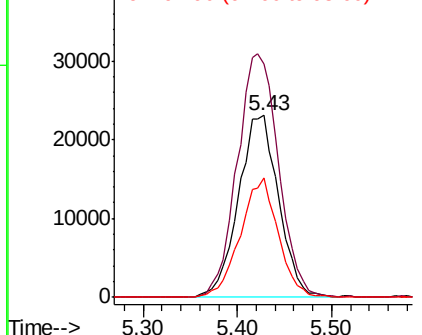


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.687 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Tgt Ion: 45 Resp: 196460

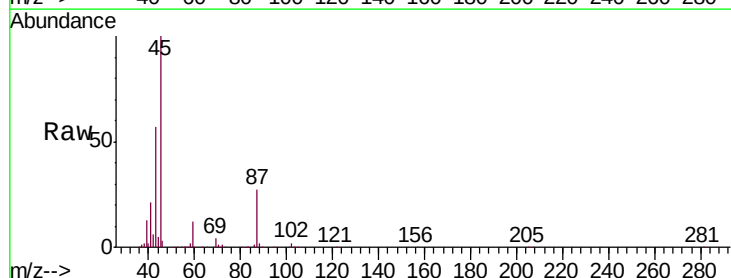
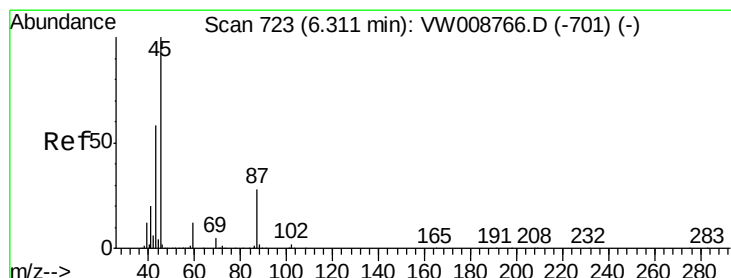
Ion Ratio Lower Upper

45 100

43 56.9 46.1 69.1

87 27.2 22.2 33.4

59 12.0 10.0 15.0



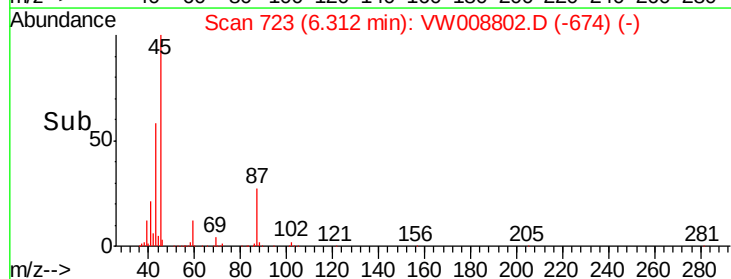
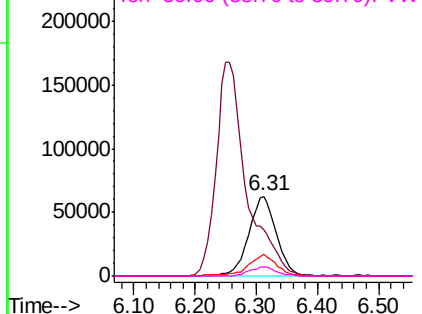
Abundance

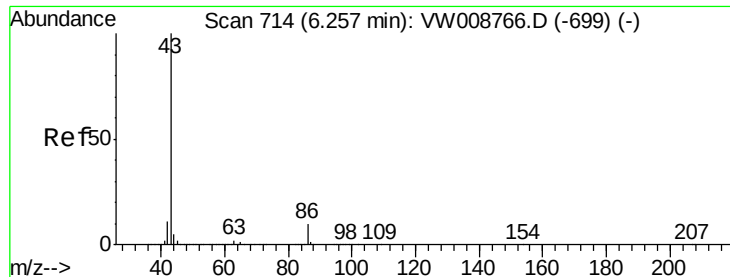
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.247 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

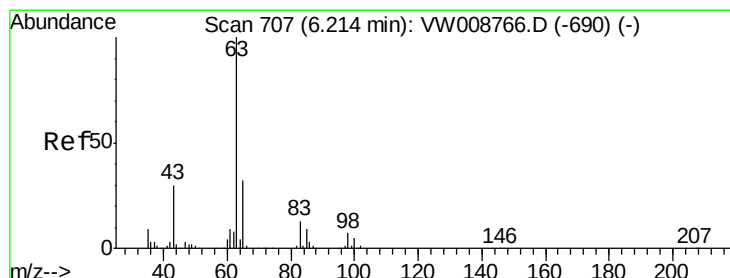
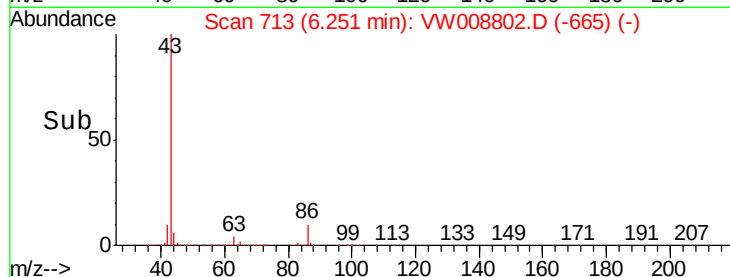
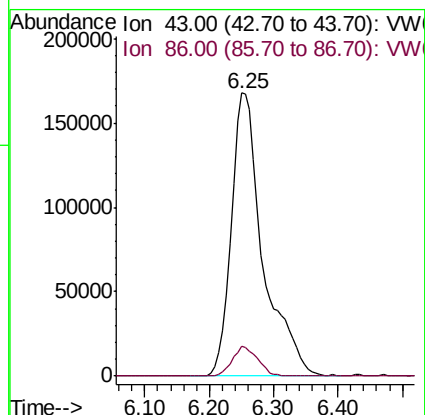
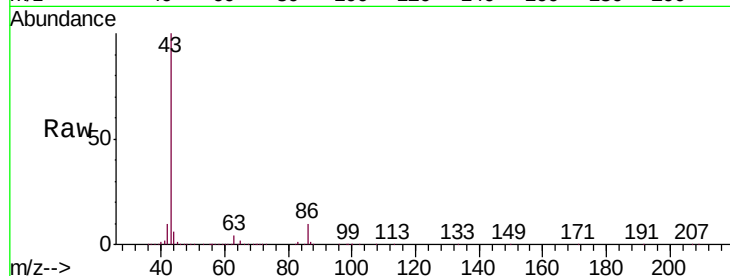
VW0225SBS01

Tgt Ion: 43 Resp: 576473

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 21.367 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

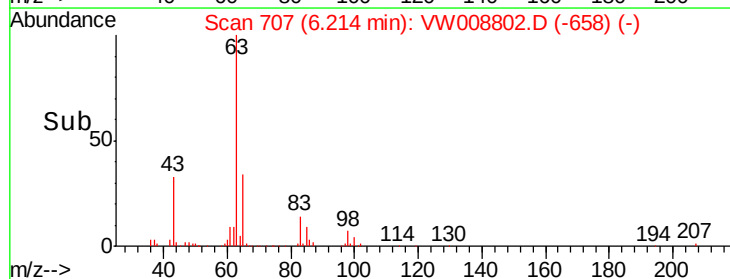
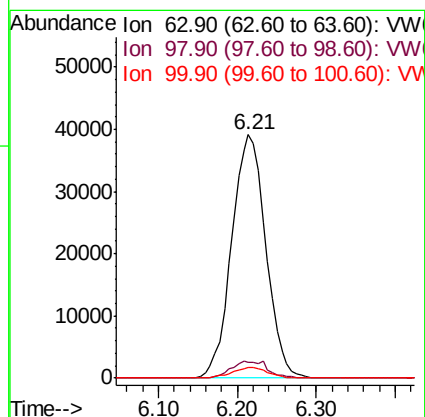
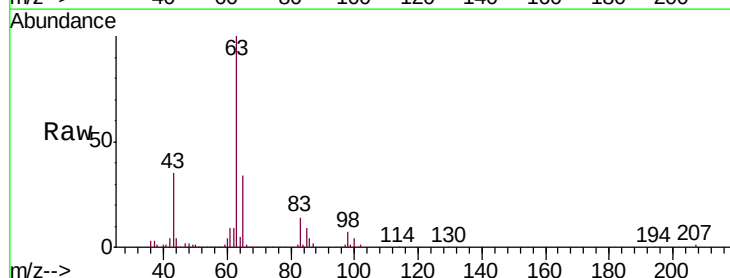
Tgt Ion: 63 Resp: 117586

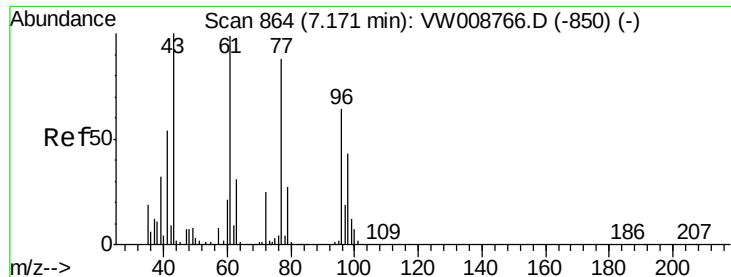
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 88.880 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

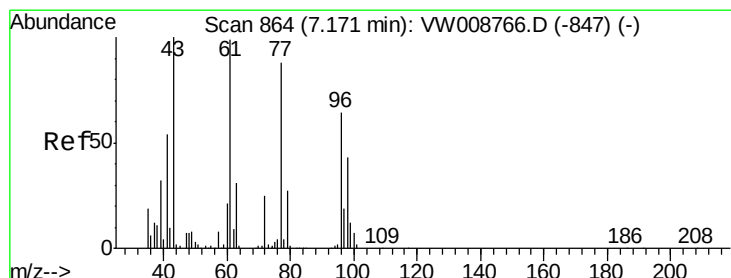
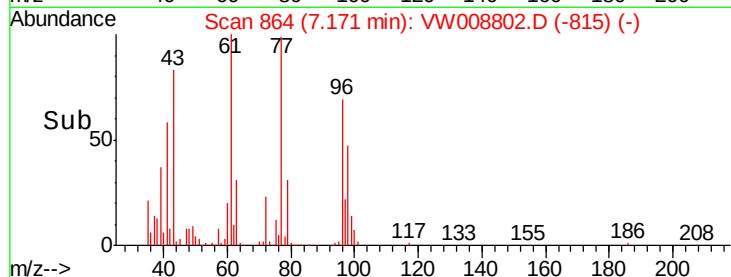
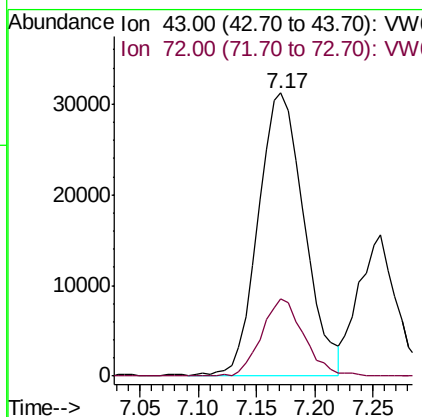
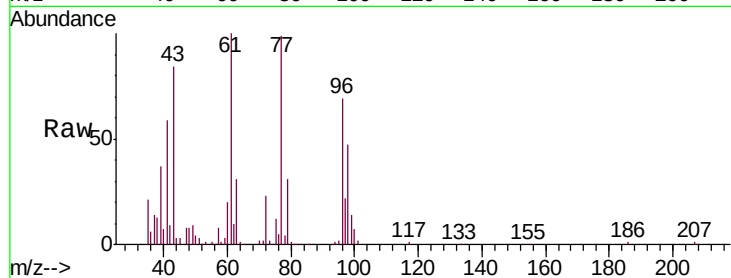
VW0225SBS01

Tgt Ion: 43 Resp: 85104

Ion Ratio Lower Upper

43 100

72 27.3 19.7 29.5



#26

2,2-Dichloropropane

Concen: 23.134 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008802.D

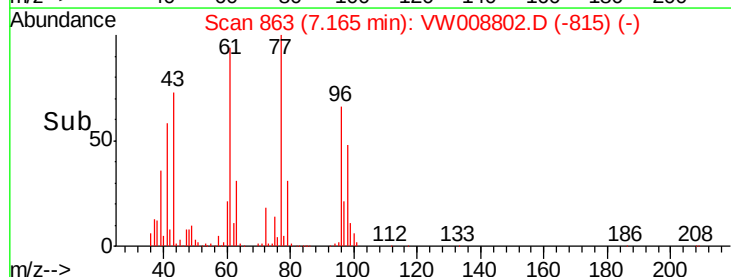
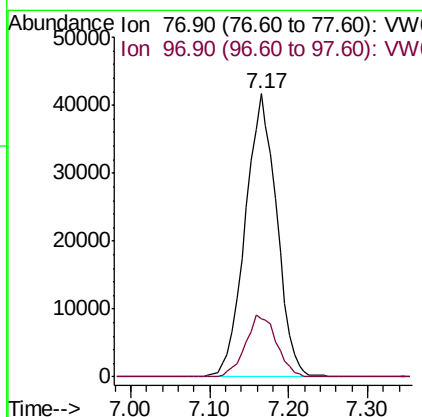
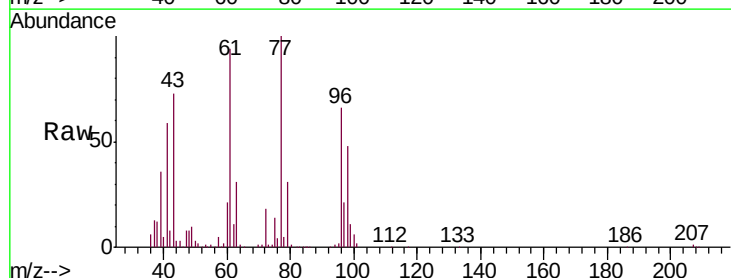
Acq: 25 Feb 2019 13:09

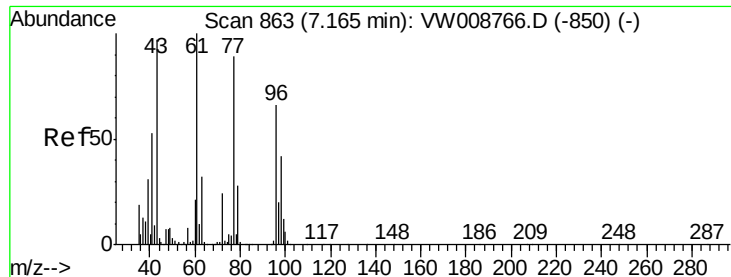
Tgt Ion: 77 Resp: 115583

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



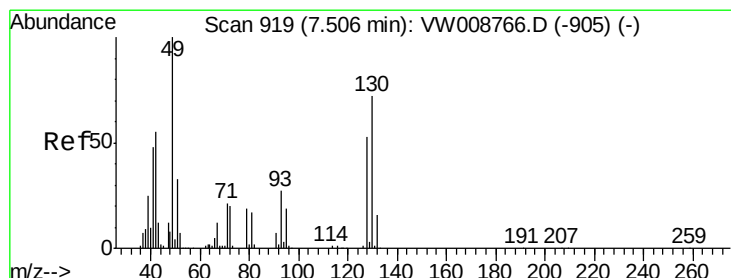
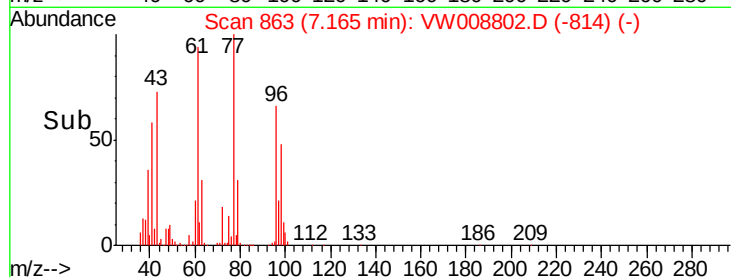
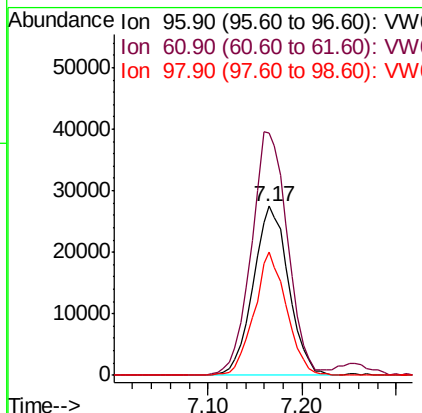
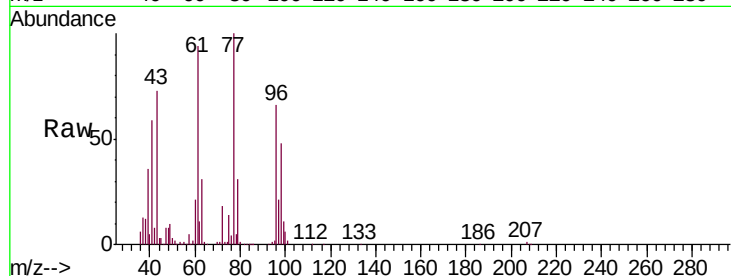


#27

cis-1,2-Dichloroethene
Concen: 21.327 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0225SBS01

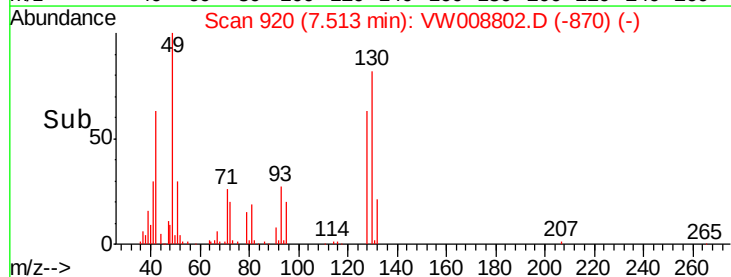
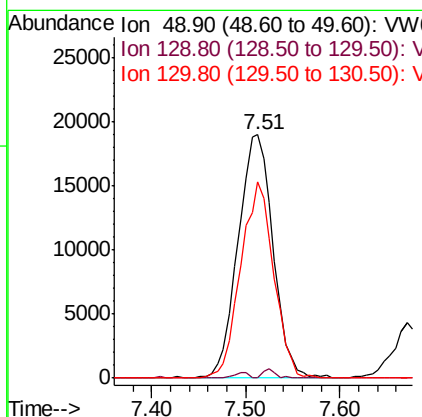
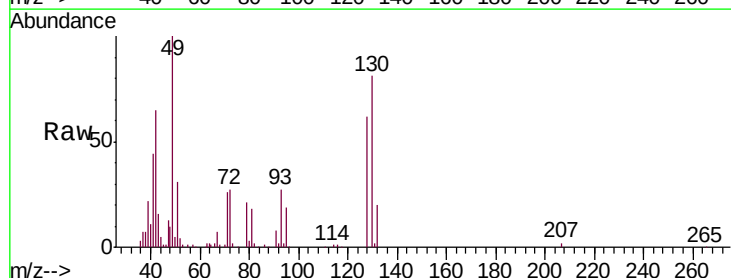
Tgt Ion: 96 Resp: 72789
Ion Ratio Lower Upper
96 100
61 147.2 0.0 302.6
98 66.5 0.0 130.0

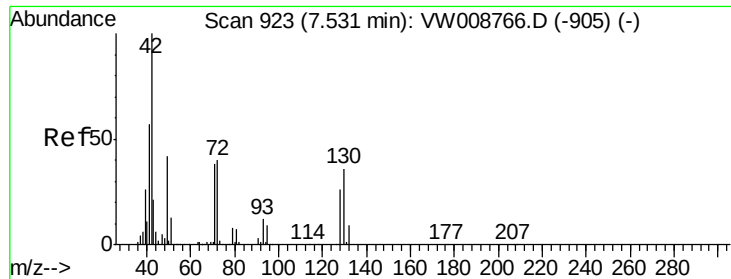


#28

Bromochloromethane
Concen: 21.465 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion: 49 Resp: 49430
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.6
130 76.1 61.3 91.9

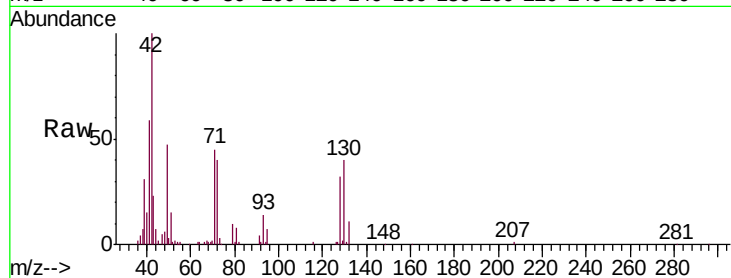




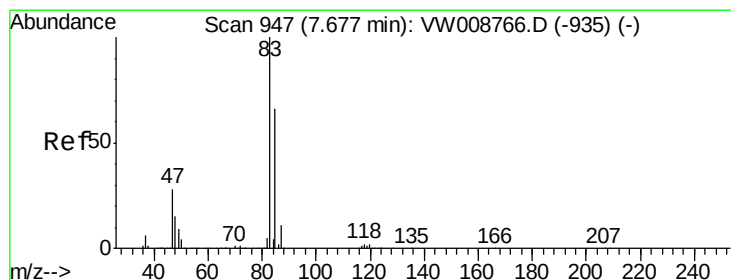
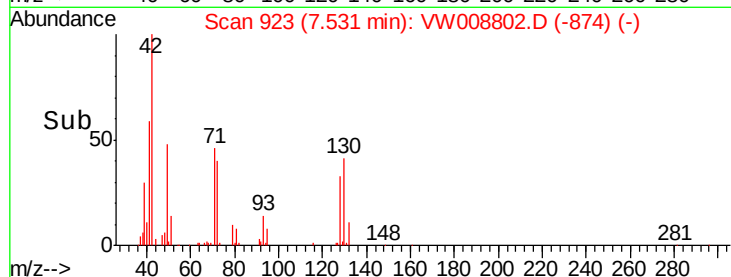
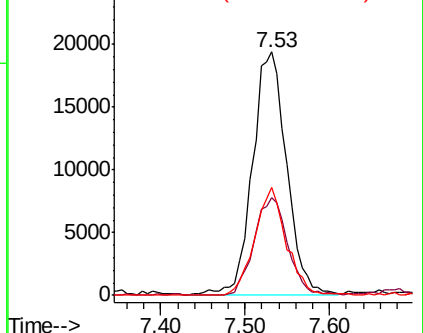
#29
Tetrahydrofuran
Concen: 87.342 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

Tgt Ion: 42 Resp: 53296
Ion Ratio Lower Upper
42 100
72 40.2 32.7 49.1
71 41.3 31.3 46.9

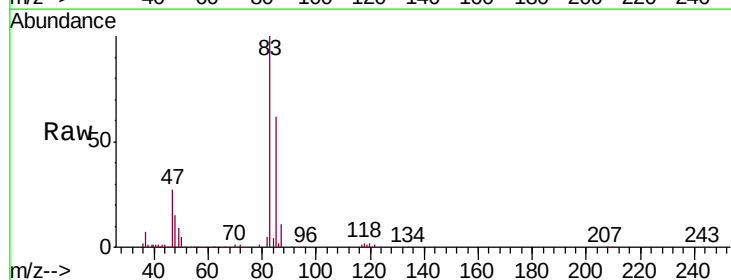


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

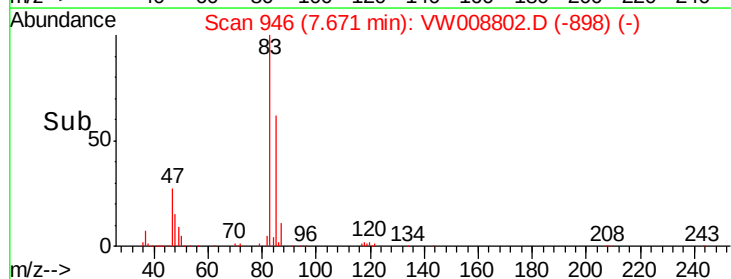
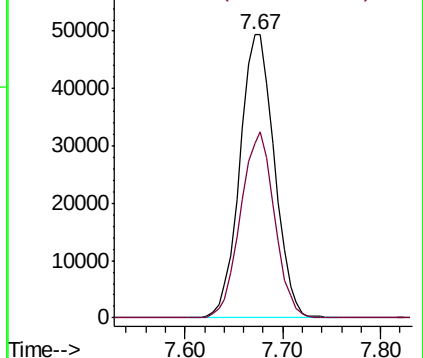


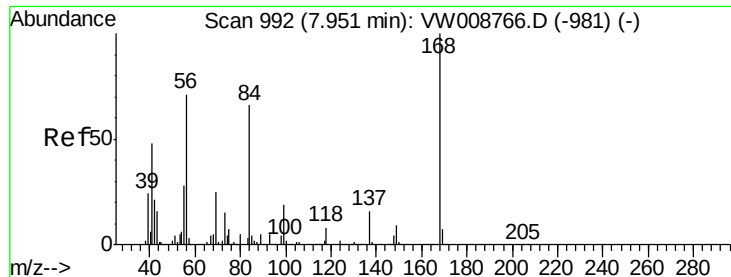
#30
Chloroform
Concen: 21.466 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion: 83 Resp: 121186
Ion Ratio Lower Upper
83 100
85 61.4 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.933 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

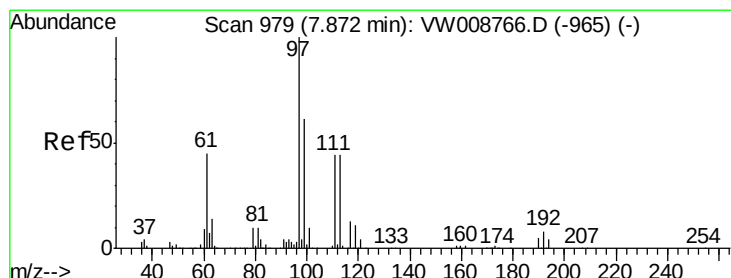
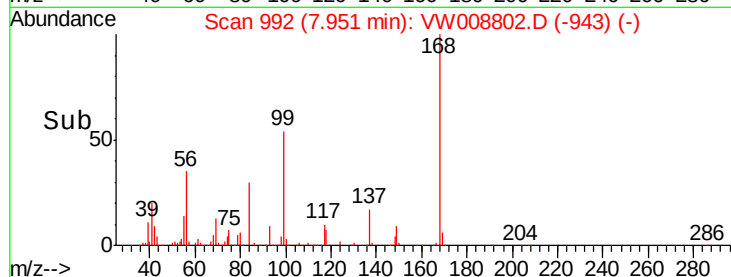
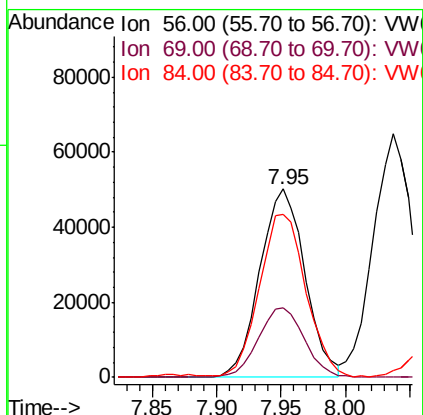
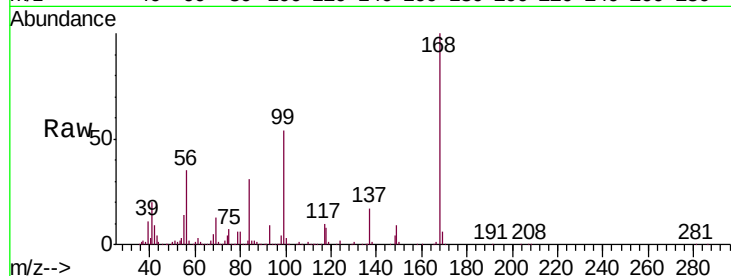
Tgt Ion: 56 Resp: 122175

Ion Ratio Lower Upper

56 100

69 36.8 28.2 42.4

84 85.6 74.1 111.1



#32

1,1,1-Trichloroethane

Concen: 22.144 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

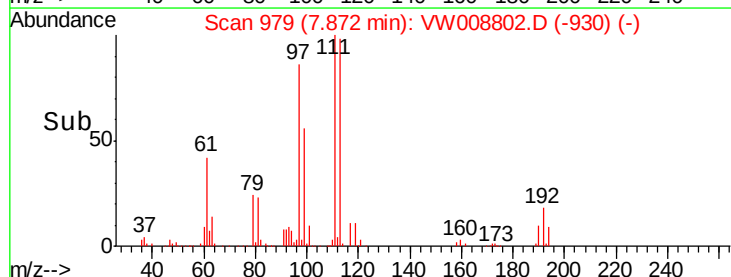
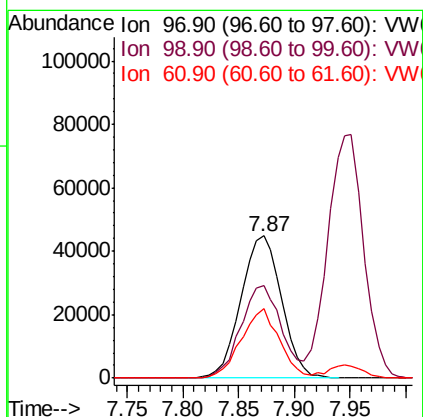
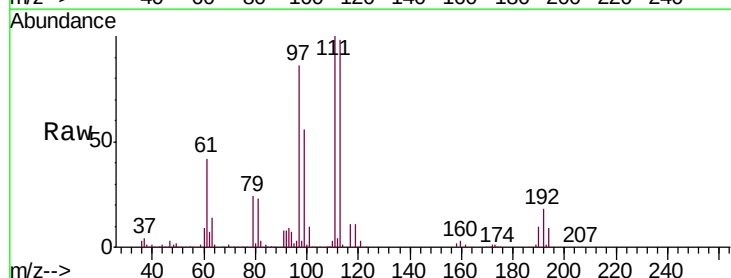
Tgt Ion: 97 Resp: 113687

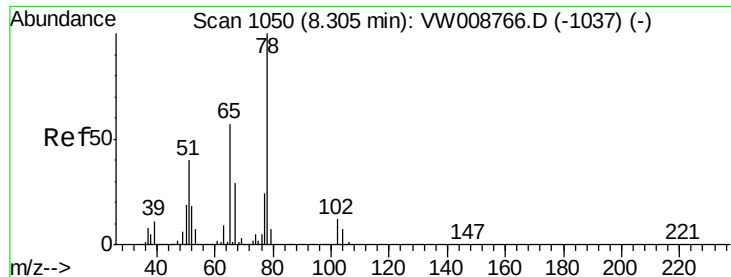
Ion Ratio Lower Upper

97 100

99 66.2 50.8 76.2

61 45.9 36.0 54.0

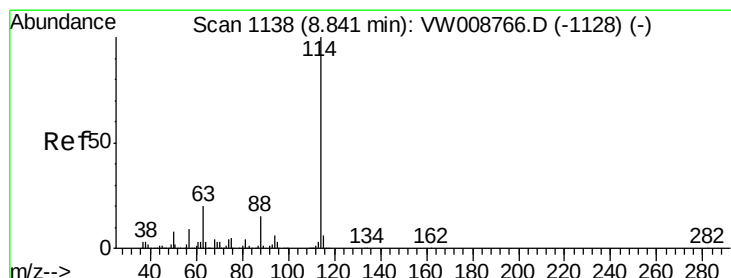
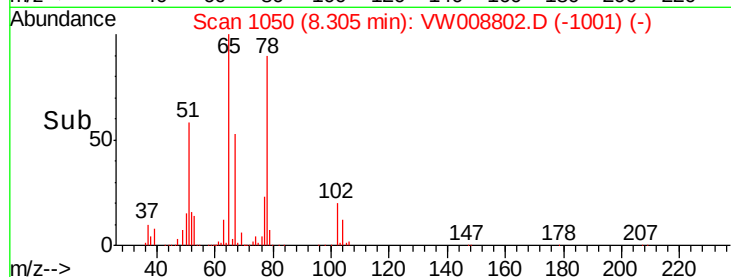
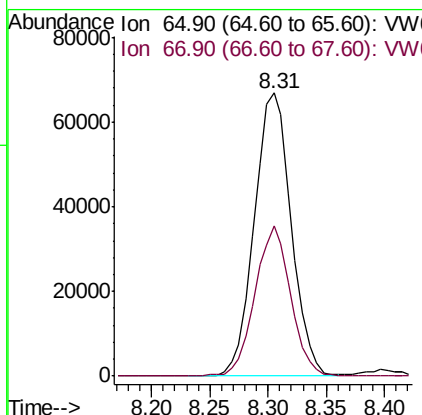
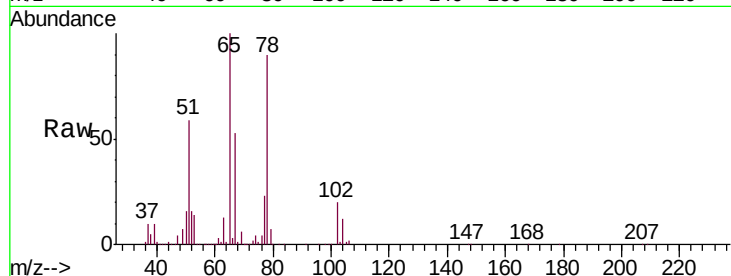




#33
 1,2-Dichloroethane-d4
 Concen: 49.971 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

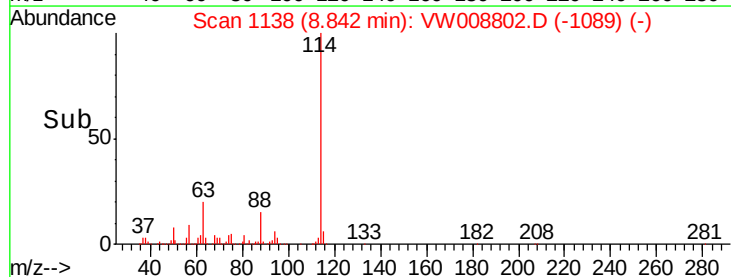
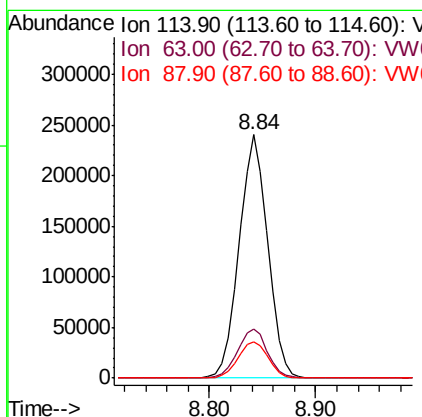
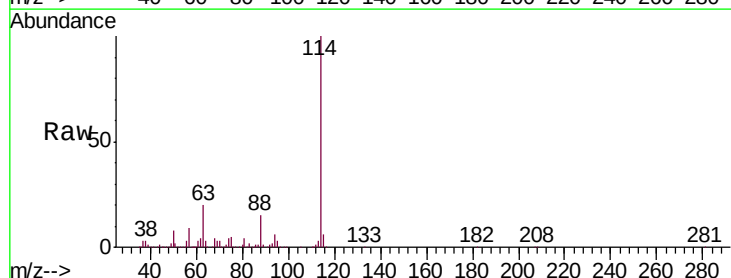
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

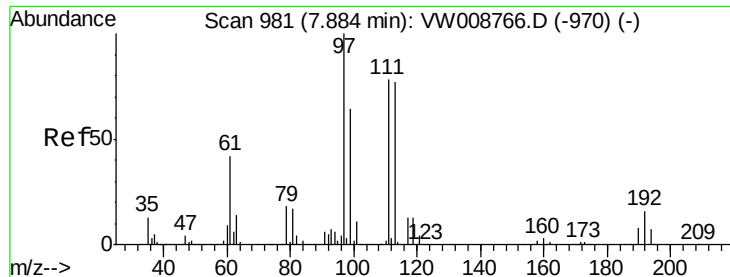
Tgt Ion: 65 Resp: 147652
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 114 Resp: 452457
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 14.8 0.0 30.4

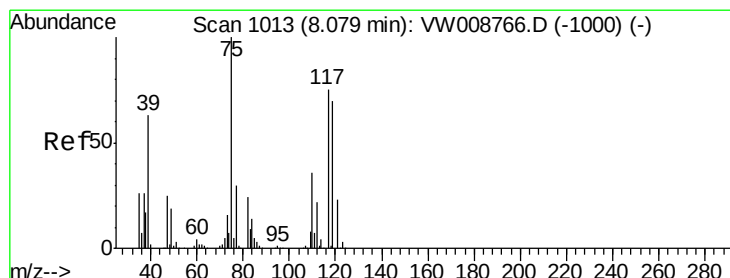
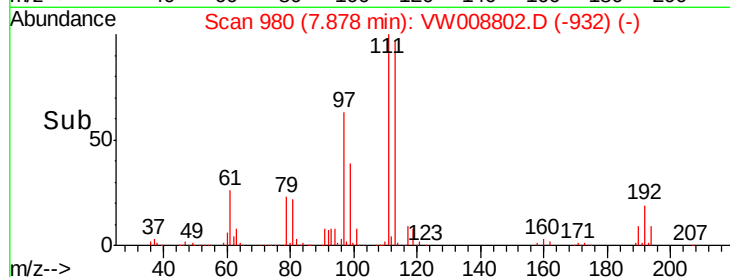
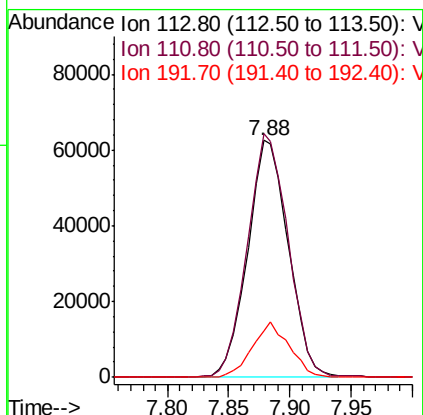
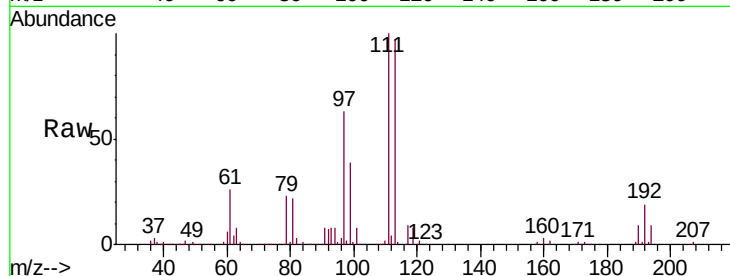




#35
 Dibromofluoromethane
 Concen: 53.279 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

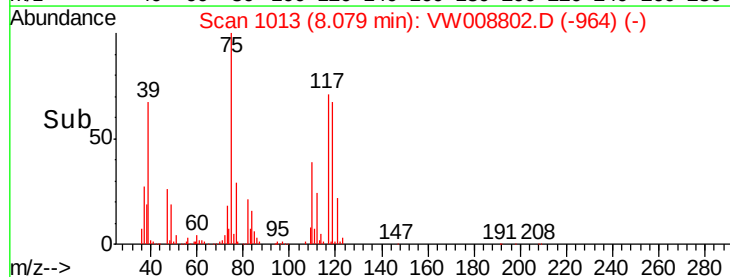
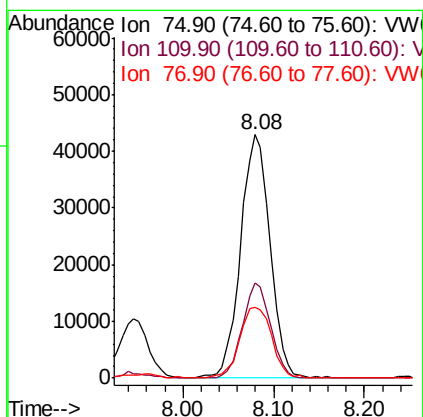
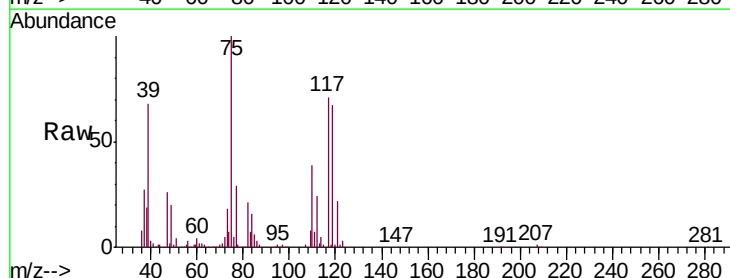
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

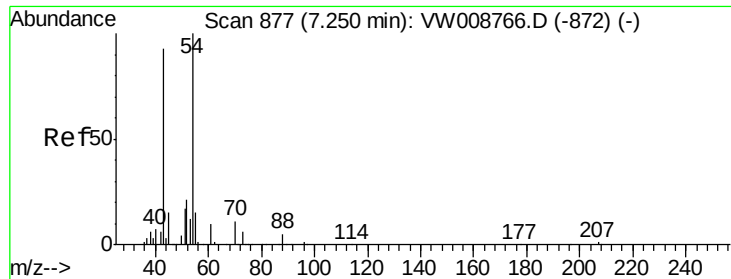
Tgt Ion:113 Resp: 144738
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 21.962 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 75 Resp: 96728
 Ion Ratio Lower Upper
 75 100
 110 37.4 17.5 52.6
 77 31.9 24.5 36.7





#37

Ethyl Acetate

Concen: 17.157 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

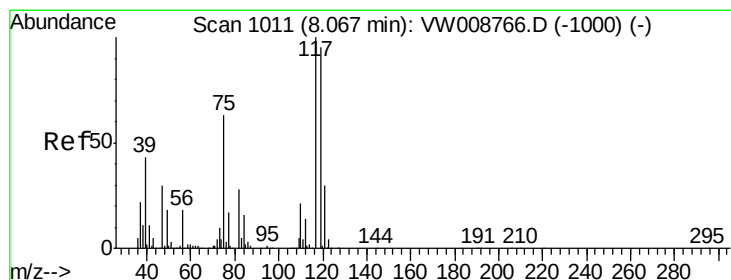
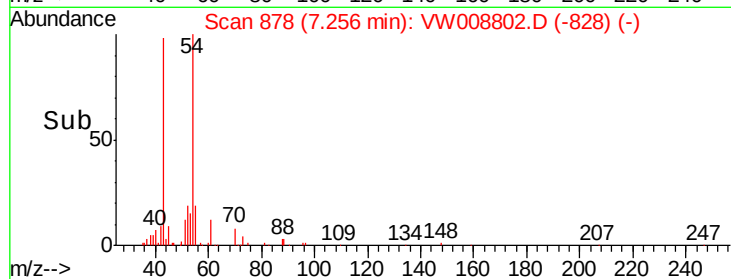
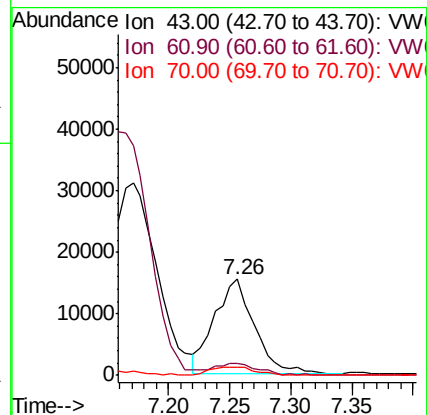
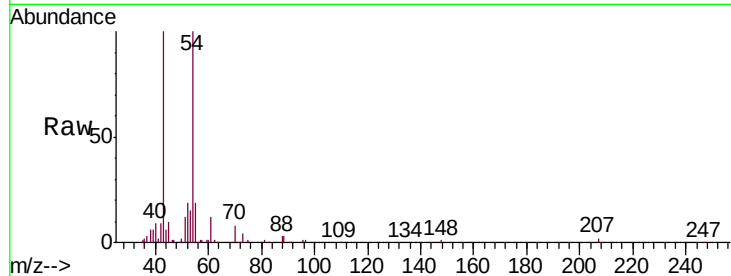
Tgt Ion: 43 Resp: 35140

Ion Ratio Lower Upper

43 100

61 12.9 9.8 14.8

70 10.6 8.4 12.6



#38

Carbon Tetrachloride

Concen: 22.841 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

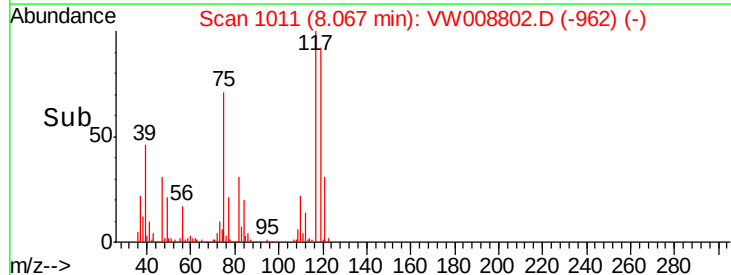
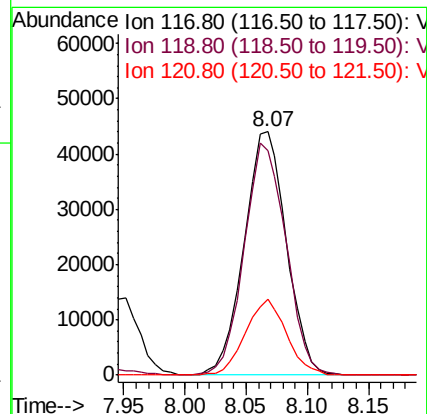
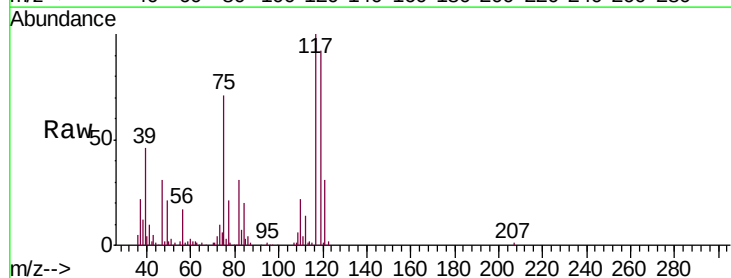
Tgt Ion: 117 Resp: 106095

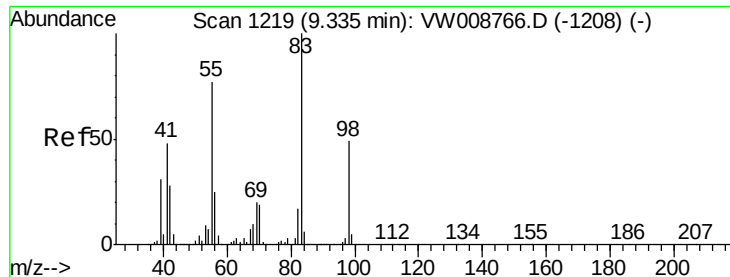
Ion Ratio Lower Upper

117 100

119 91.8 76.1 114.1

121 31.4 24.0 36.0

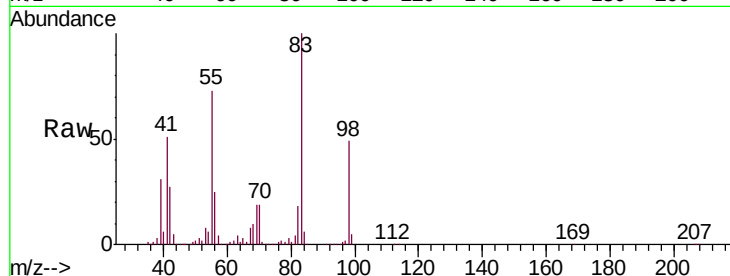




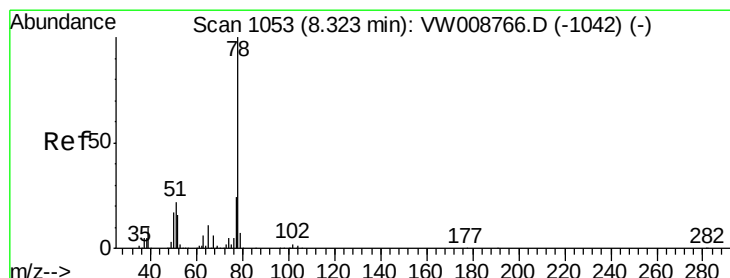
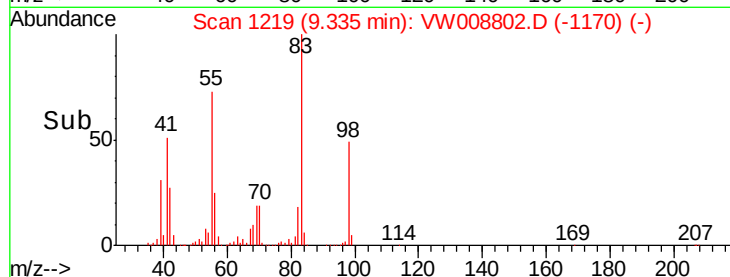
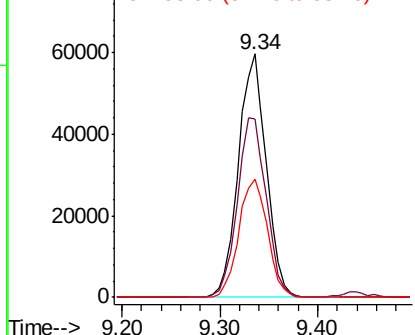
#39
Methylcyclohexane
Concen: 21.449 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

Tgt Ion: 83 Resp: 117836
Ion Ratio Lower Upper
83 100
55 73.1 61.2 91.8
98 48.6 39.4 59.2

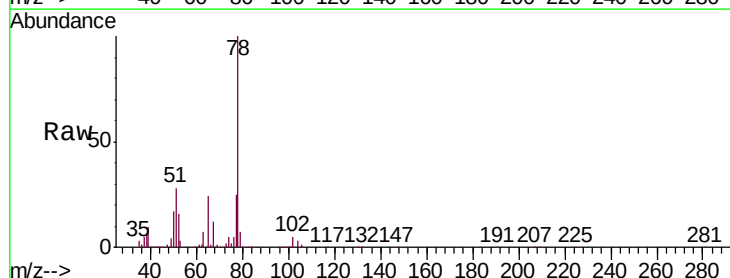


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

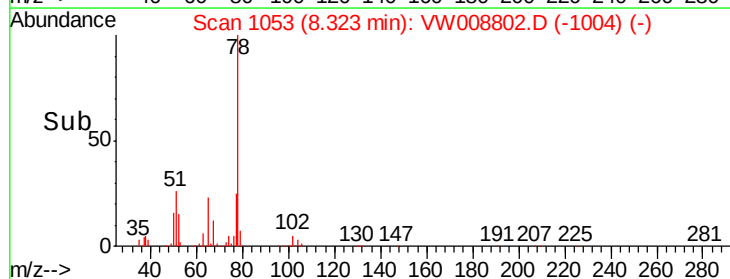
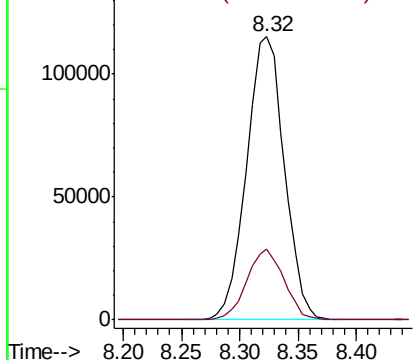


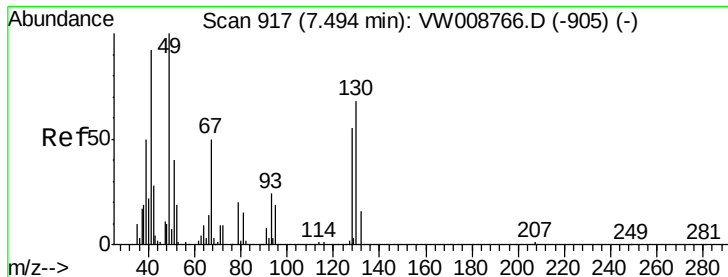
#40
Benzene
Concen: 21.628 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion: 78 Resp: 260084
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

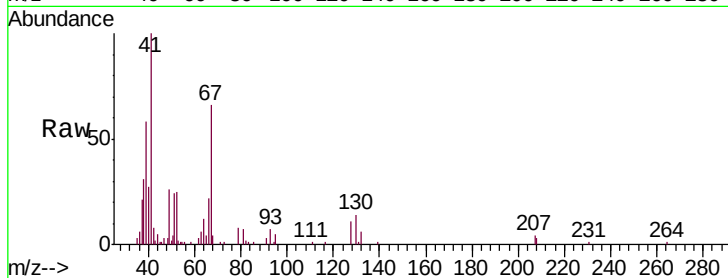




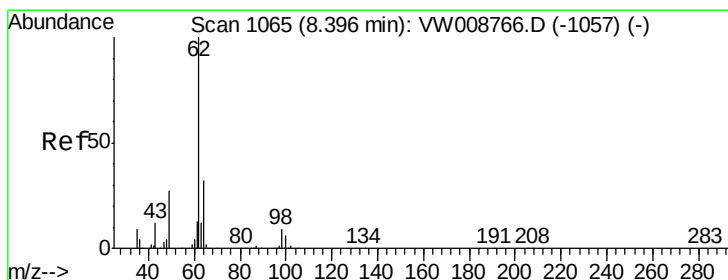
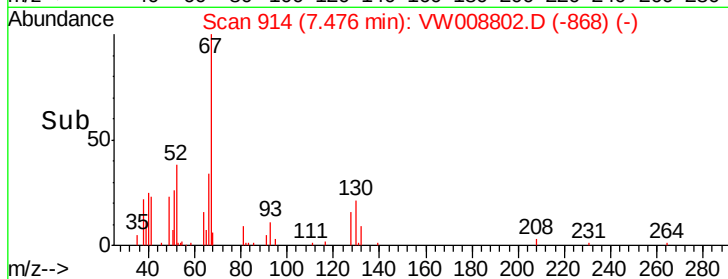
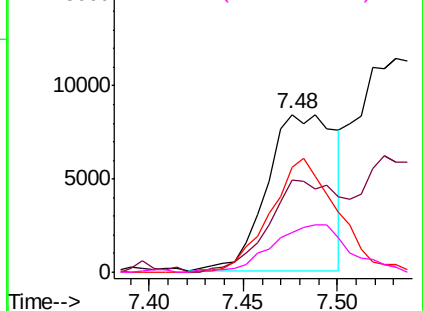
#41
Methacrylonitrile
Concen: 17.694 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

Tgt Ion:	41	Resp:	21302
Ion	Ratio	Lower	Upper
41	100		
39	63.4	52.5	78.7
67	71.3	55.0	82.6
52	33.9	26.9	40.3

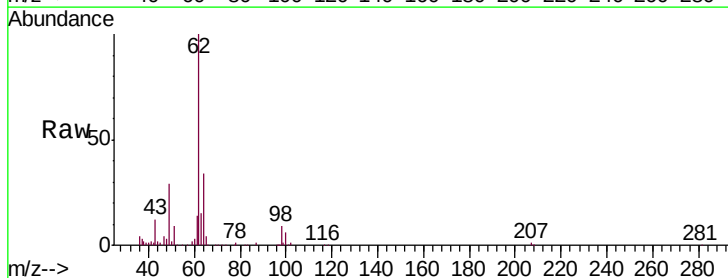


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

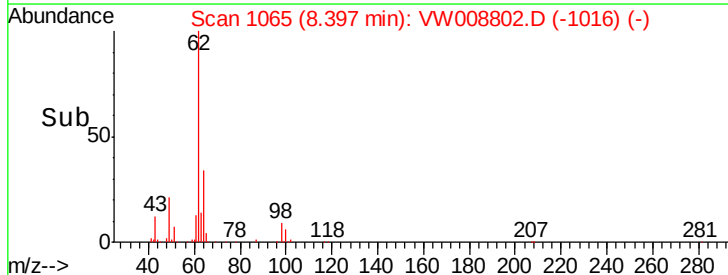
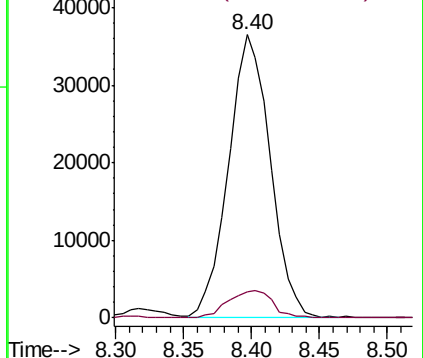


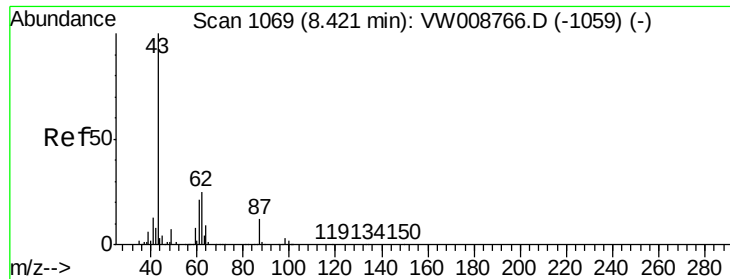
#42
1,2-Dichloroethane
Concen: 20.443 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion:	62	Resp:	77876
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 17.909 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

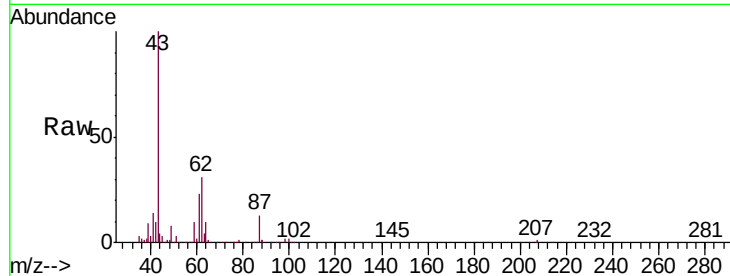
Tgt Ion: 43 Resp: 73206

Ion Ratio Lower Upper

43 100

61 30.2 23.2 34.8

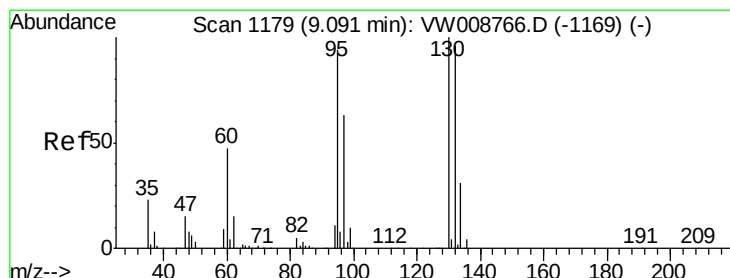
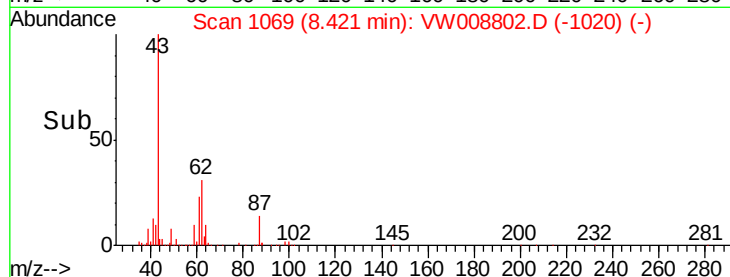
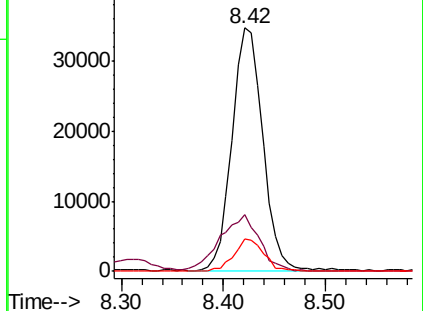
87 13.0 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 22.408 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008802.D

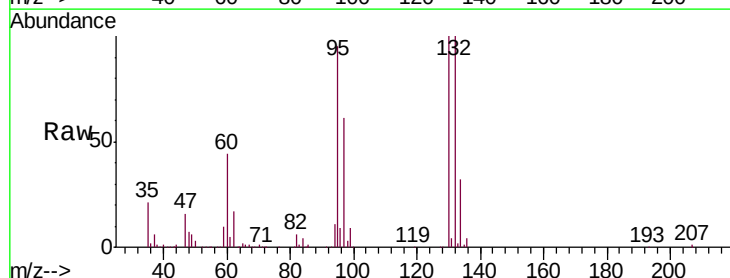
Acq: 25 Feb 2019 13:09

Tgt Ion: 130 Resp: 75911

Ion Ratio Lower Upper

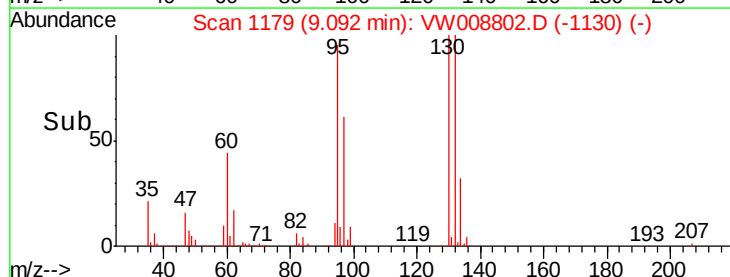
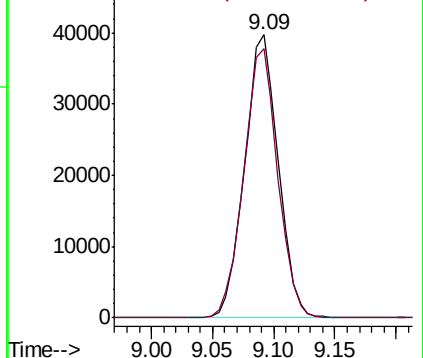
130 100

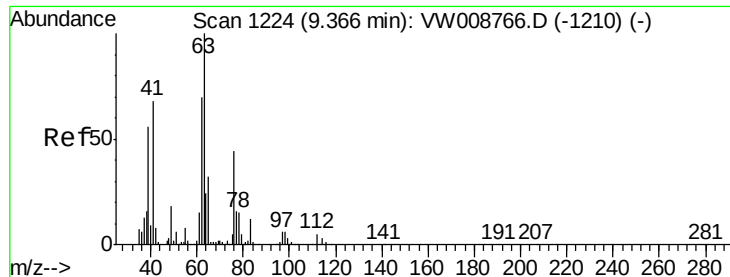
95 95.0 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

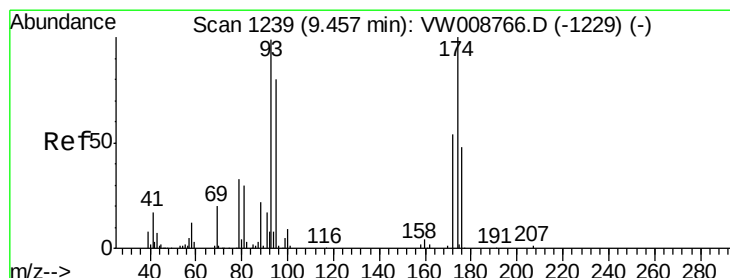
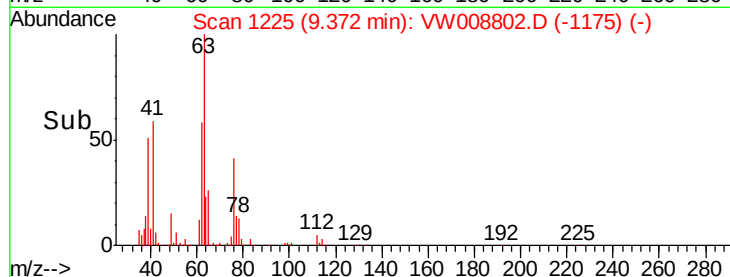
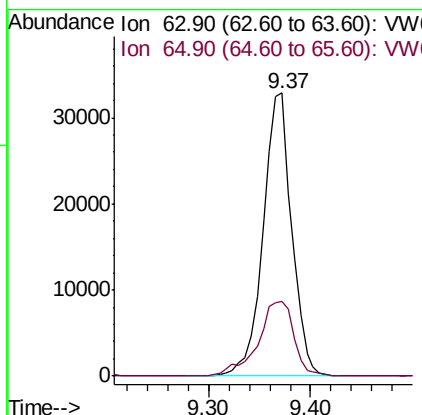
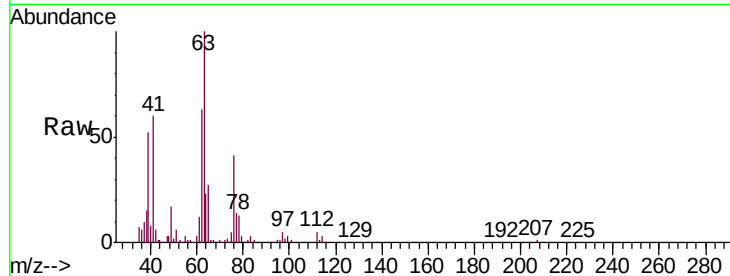




#45
 1,2-Dichloropropane
 Concen: 21.482 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

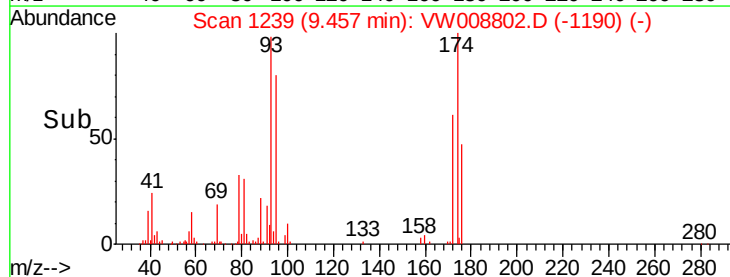
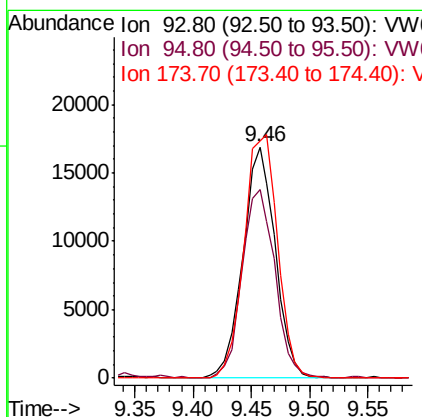
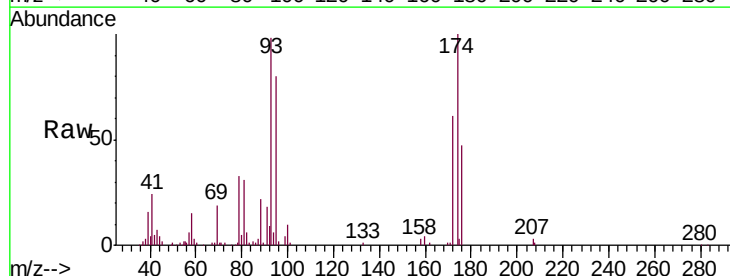
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

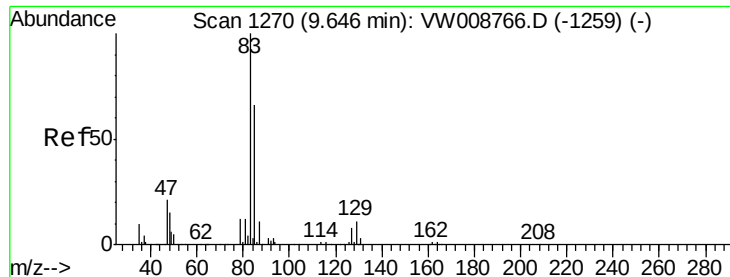
Tgt Ion: 63 Resp: 63838
 Ion Ratio Lower Upper
 63 100
 65 26.6 25.5 38.3



#46
 Dibromomethane
 Concen: 19.837 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 93 Resp: 32790
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.7 101.5
 174 109.4 86.7 130.1

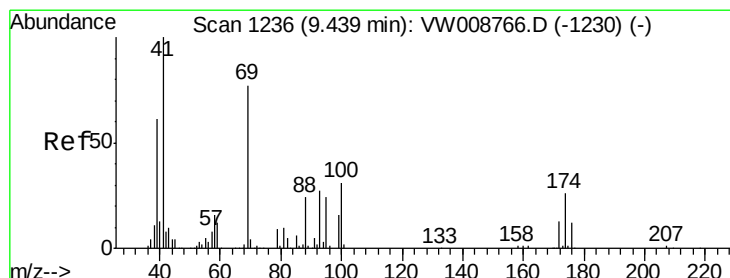
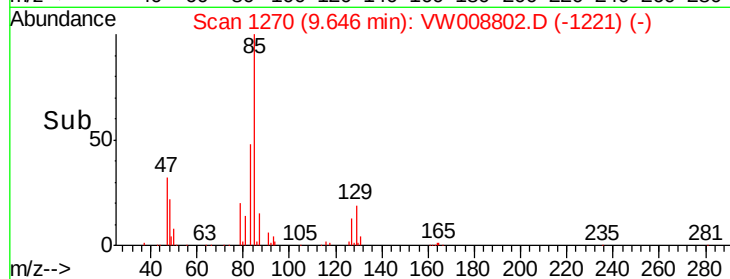
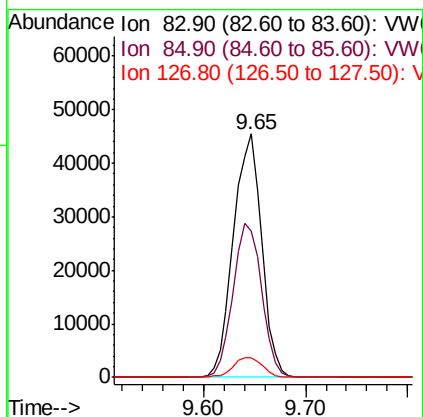
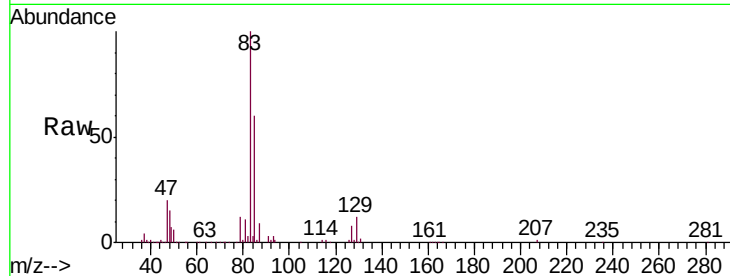




#47
 Bromodichloromethane
 Concen: 21.665 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

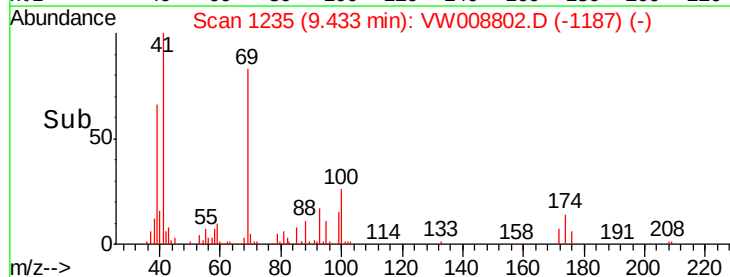
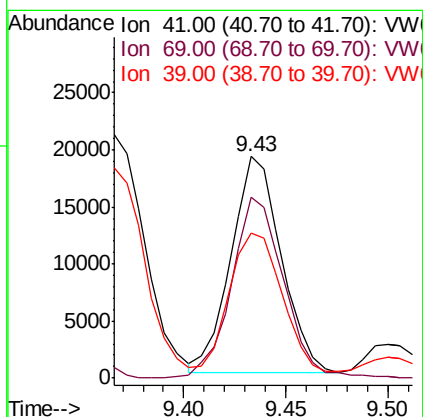
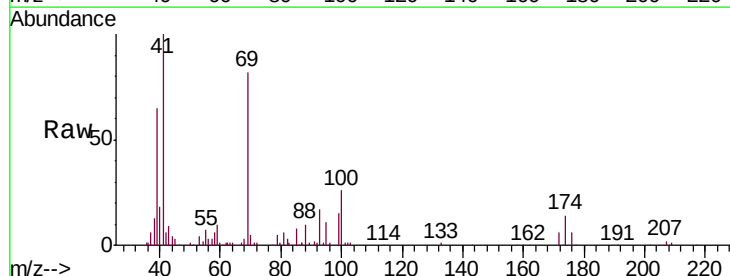
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

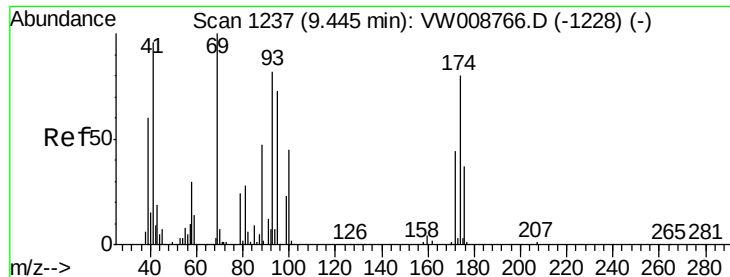
Tgt Ion: 83 Resp: 87127
 Ion Ratio Lower Upper
 83 100
 85 60.3 52.5 78.7
 127 7.8 6.7 10.1



#48
 Methyl methacrylate
 Concen: 16.508 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 41 Resp: 32318
 Ion Ratio Lower Upper
 41 100
 69 87.0 63.6 95.4
 39 66.6 52.1 78.1

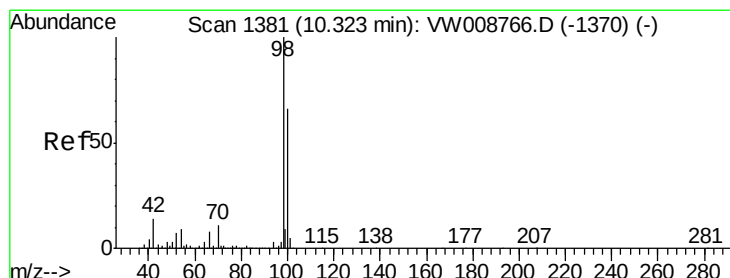
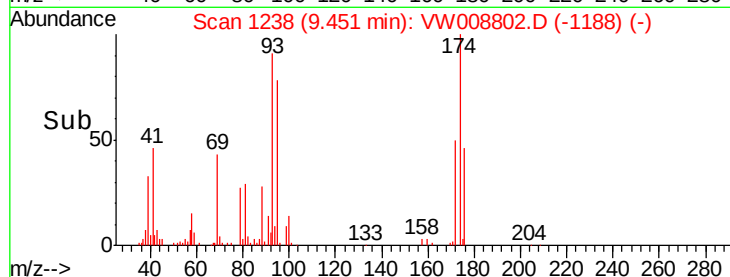
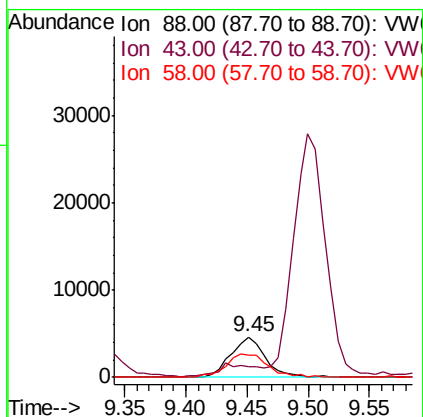
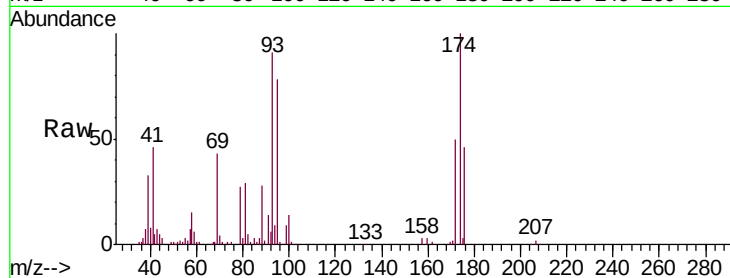




#49
1,4-Dioxane
Concen: 338.834 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

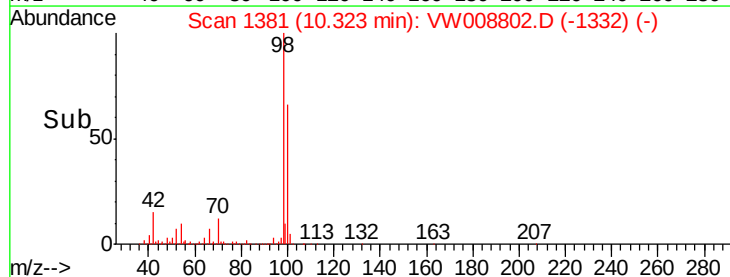
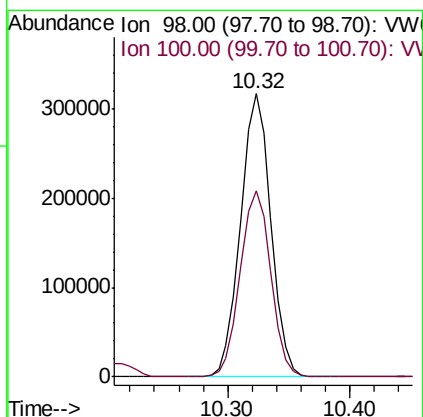
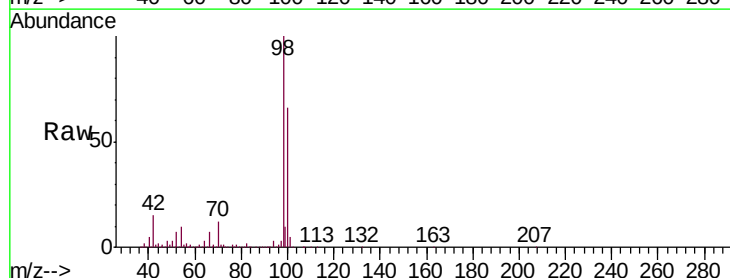
Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

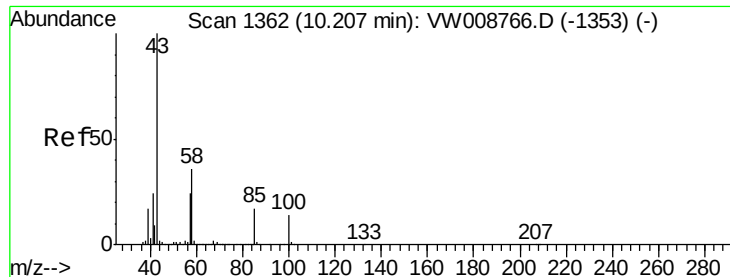
Tgt Ion: 88 Resp: 8969
Ion Ratio Lower Upper
88 100
43 34.8 29.0 43.4
58 70.1 52.0 78.0



#50
Toluene-d8
Concen: 51.994 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion: 98 Resp: 545252
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 83.112 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

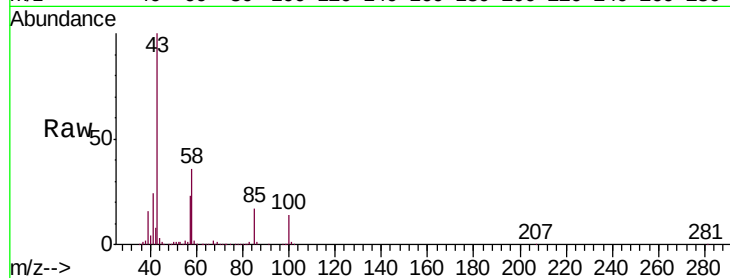
VW0225SBS01

Tgt Ion: 43 Resp: 172483

Ion Ratio Lower Upper

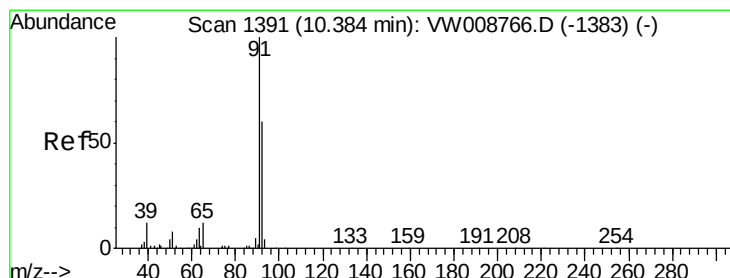
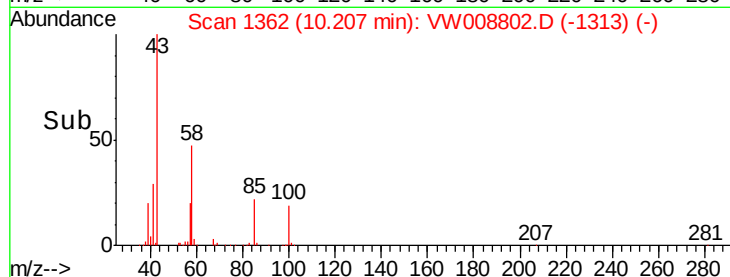
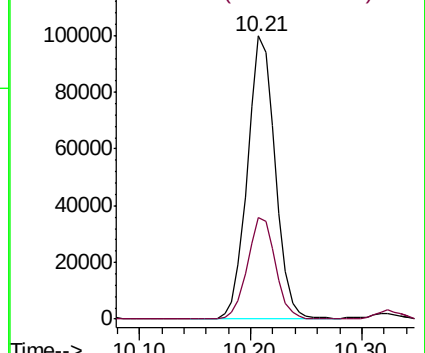
43 100

58 36.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.999 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008802.D

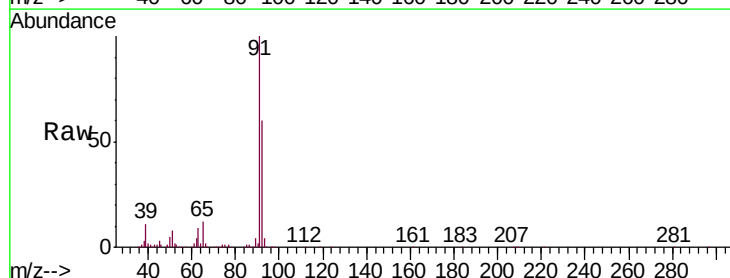
Acq: 25 Feb 2019 13:09

Tgt Ion: 92 Resp: 171376

Ion Ratio Lower Upper

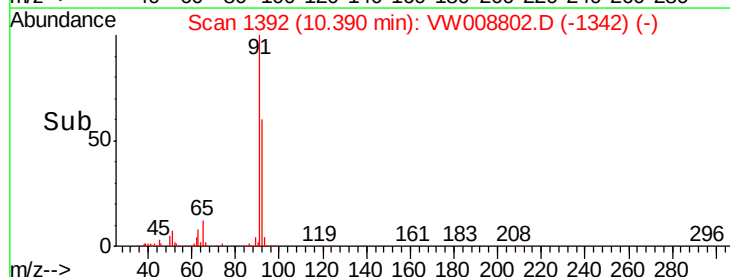
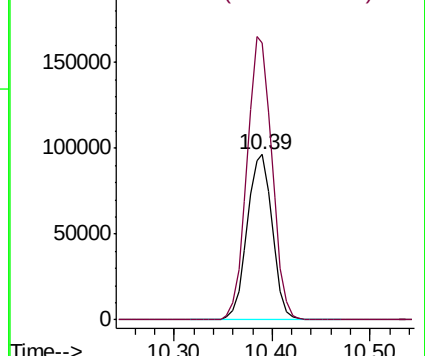
92 100

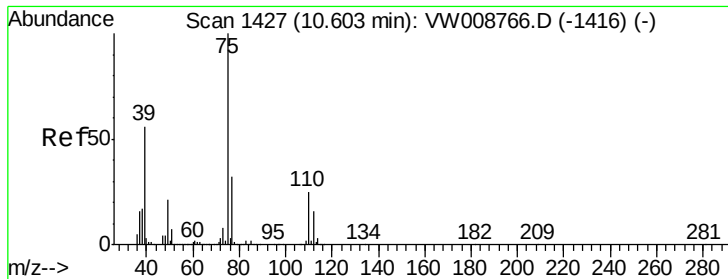
91 169.9 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.600 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

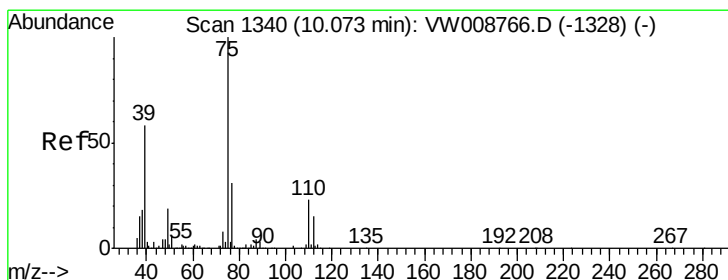
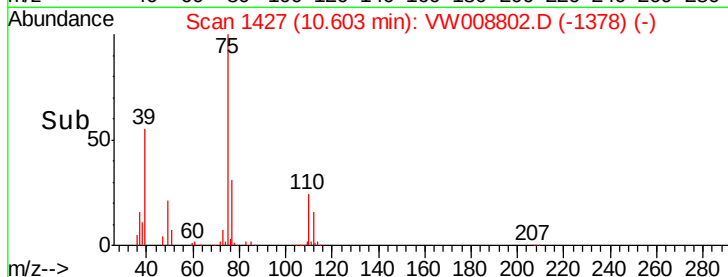
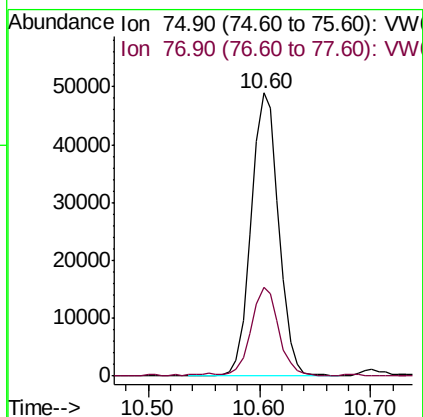
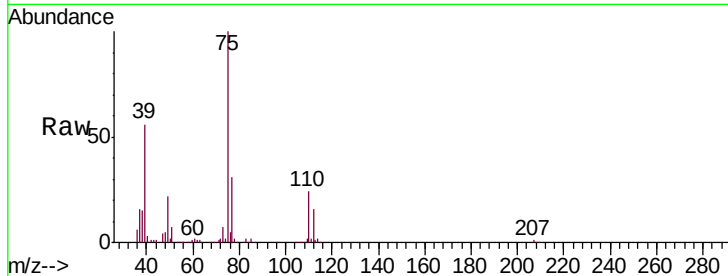
VW0225SBS01

Tgt Ion: 75 Resp: 84439

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 21.715 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

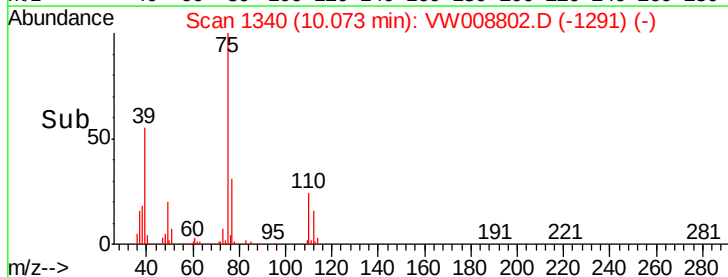
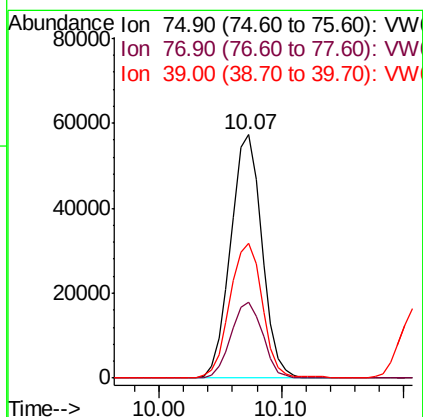
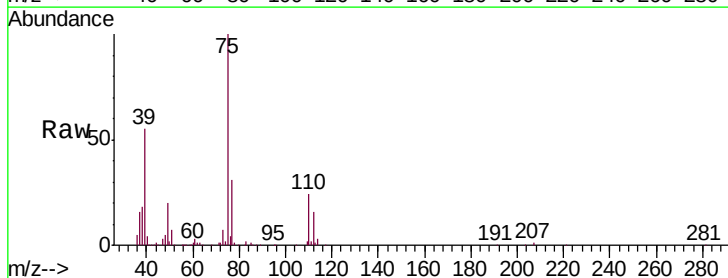
Tgt Ion: 75 Resp: 101520

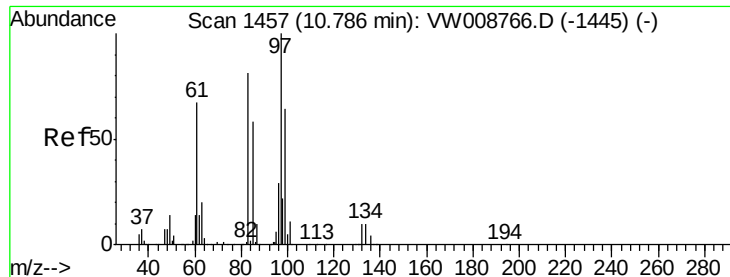
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

39 54.8 46.6 70.0

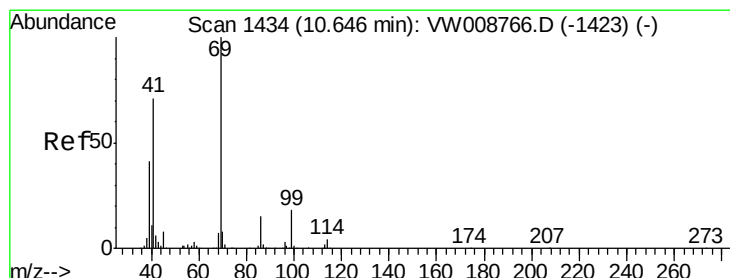
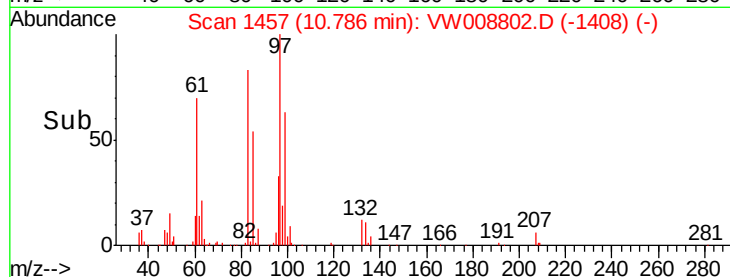
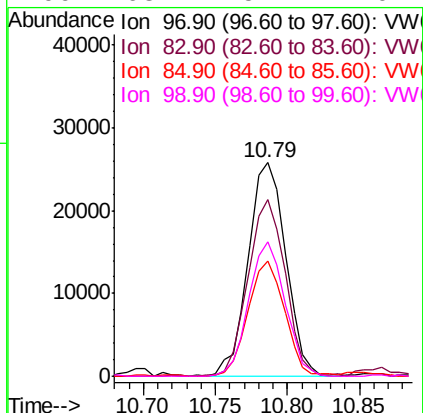
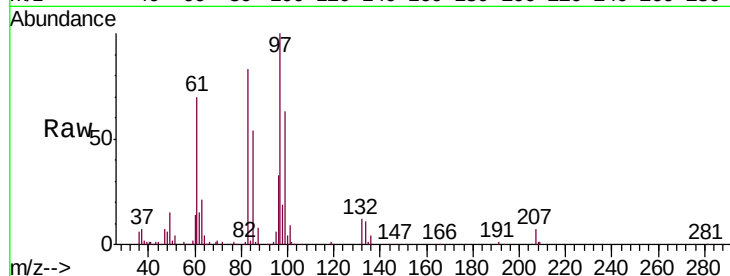




#55
 1,1,2-Trichloroethane
 Concen: 20.773 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

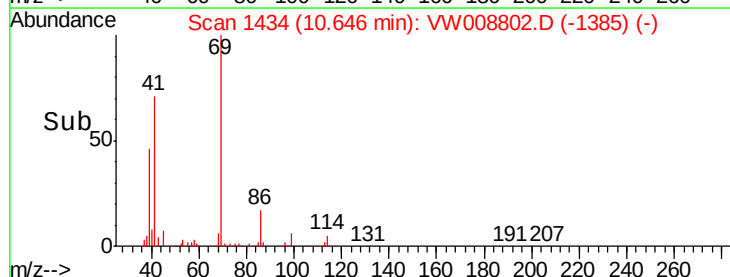
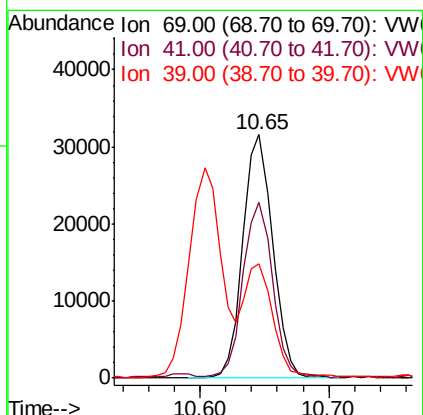
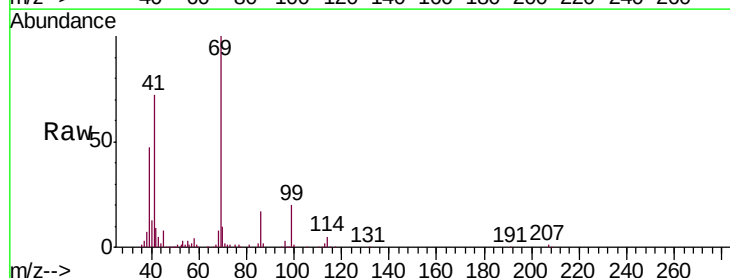
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

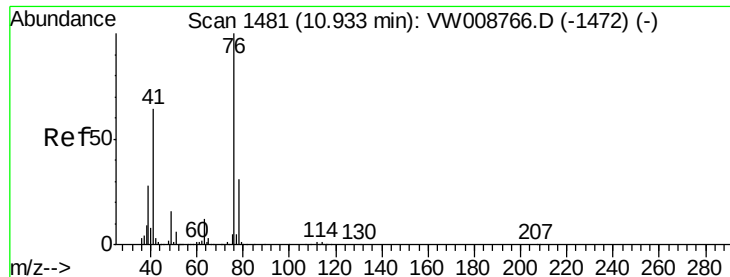
Tgt Ion:	97	Resp:	46566
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.0	97.6
85	54.2	46.0	69.0
99	63.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 17.419 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion:	69	Resp:	50730
Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.4	86.0
39	43.2	34.8	52.2

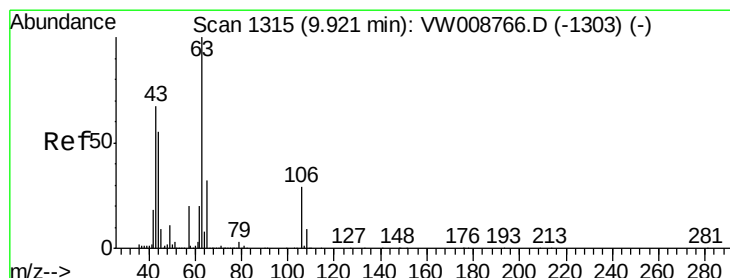
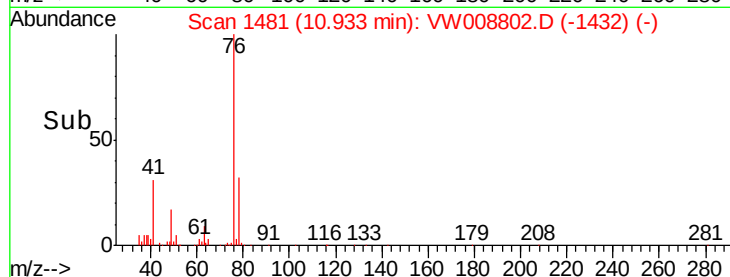
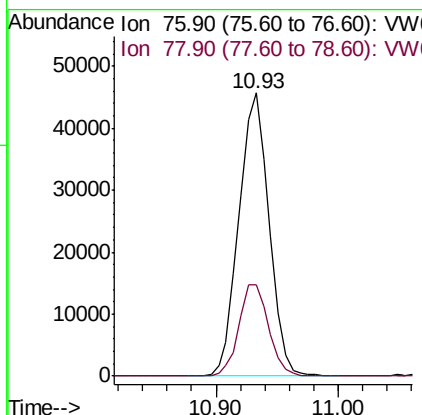
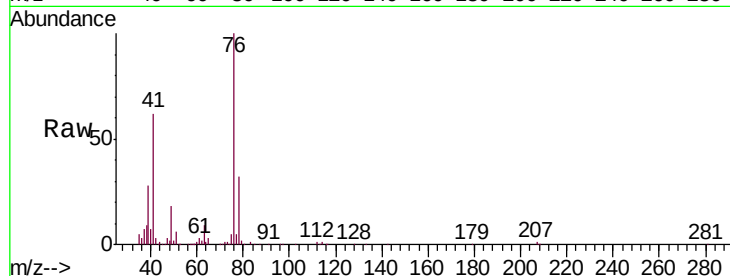




#57
 1,3-Dichloropropane
 Concen: 19.727 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

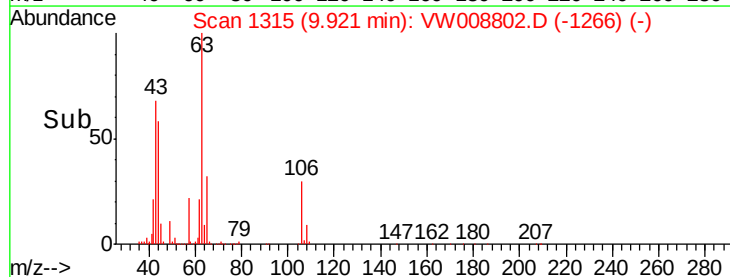
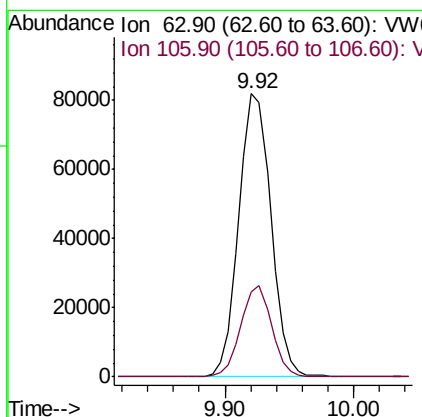
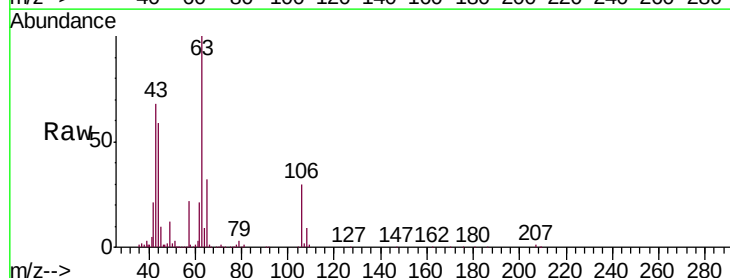
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

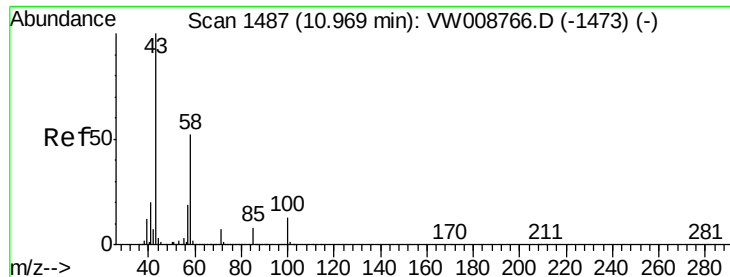
Tgt Ion: 76 Resp: 78078
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.355 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion: 63 Resp: 142601
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.0 36.0





#59

2-Hexanone

Concen: 82.384 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

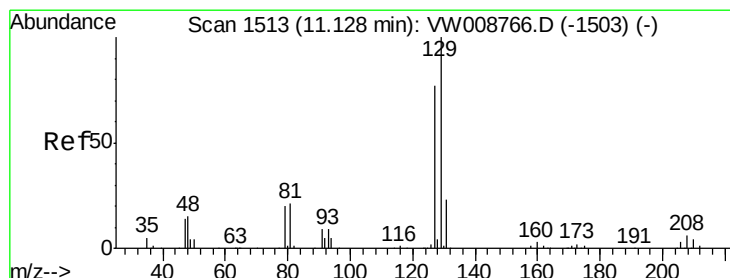
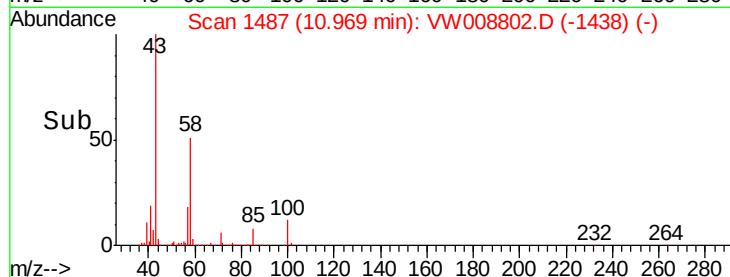
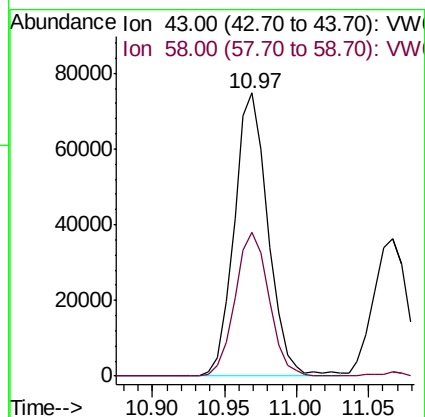
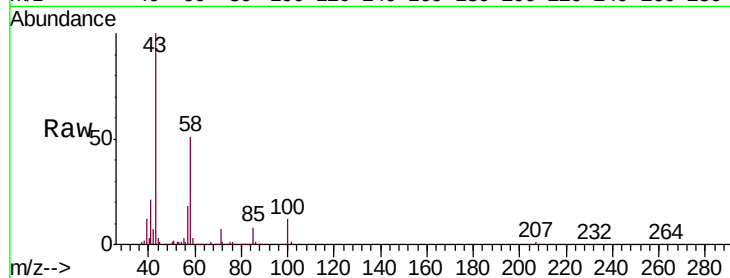
VW0225SBS01

Tgt Ion: 43 Resp: 121706

Ion Ratio Lower Upper

43 100

58 51.4 25.3 75.8



#60

Dibromochloromethane

Concen: 20.401 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008802.D

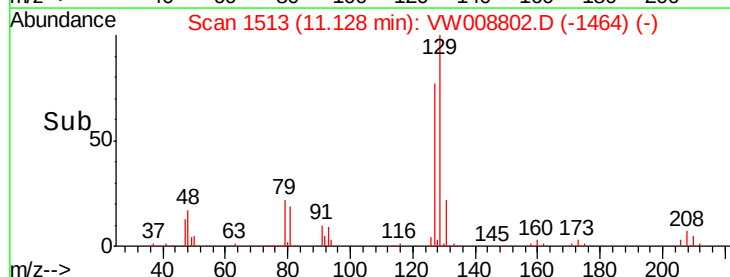
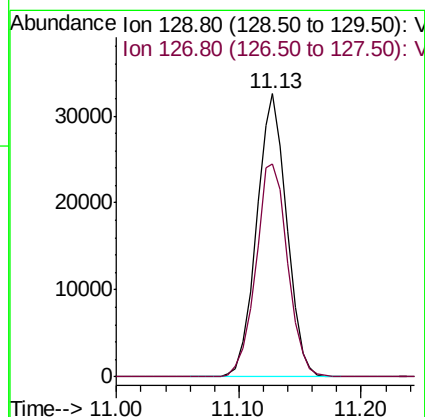
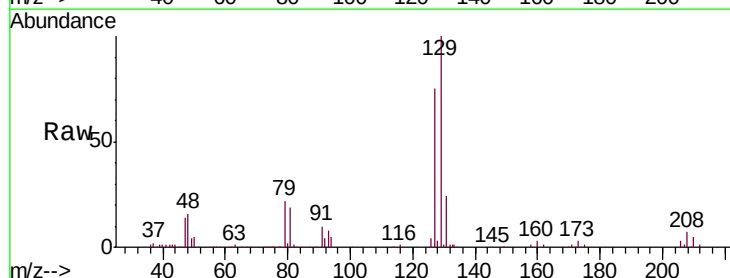
Acq: 25 Feb 2019 13:09

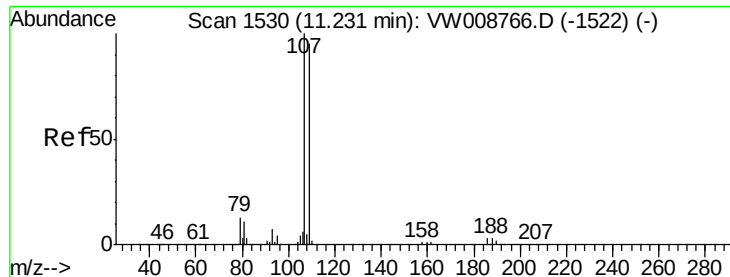
Tgt Ion: 129 Resp: 55780

Ion Ratio Lower Upper

129 100

127 79.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.694 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

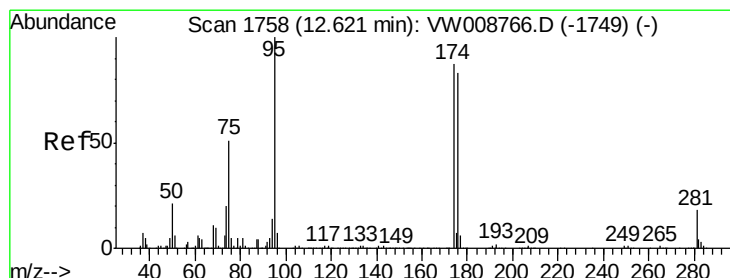
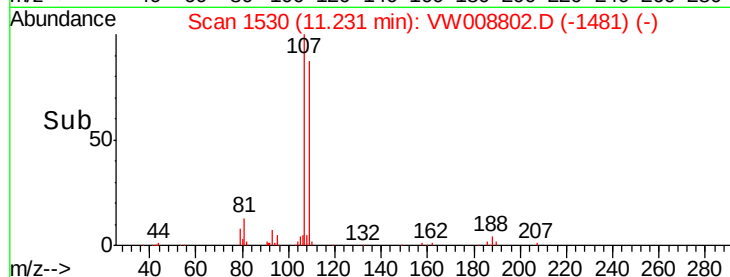
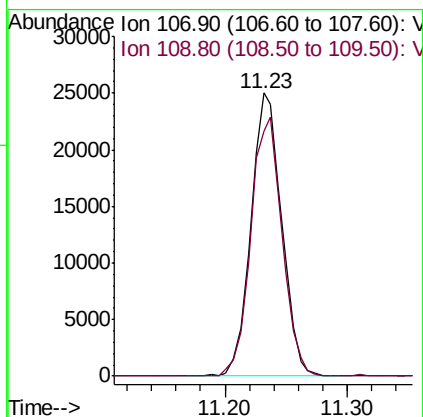
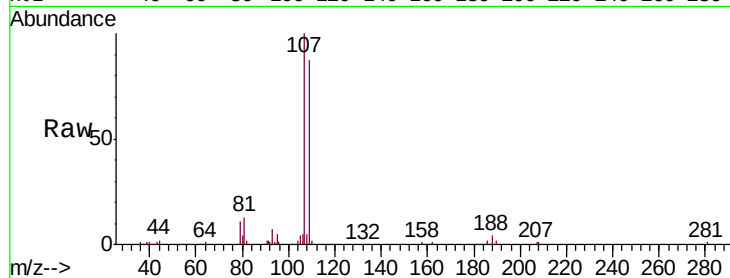
VW0225SBS01

Tgt Ion: 107 Resp: 43699

Ion Ratio Lower Upper

107 100

109 93.3 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 49.408 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

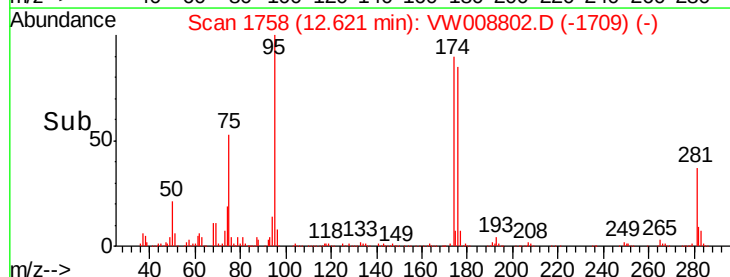
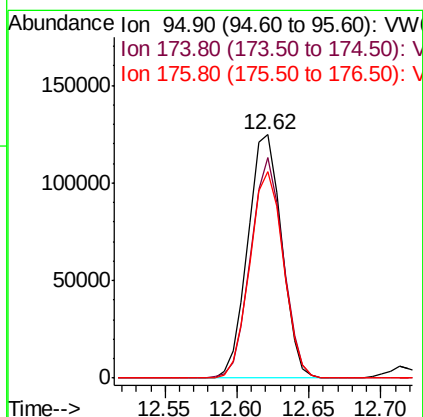
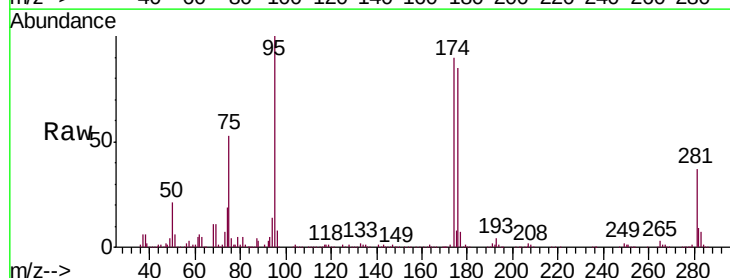
Tgt Ion: 95 Resp: 202873

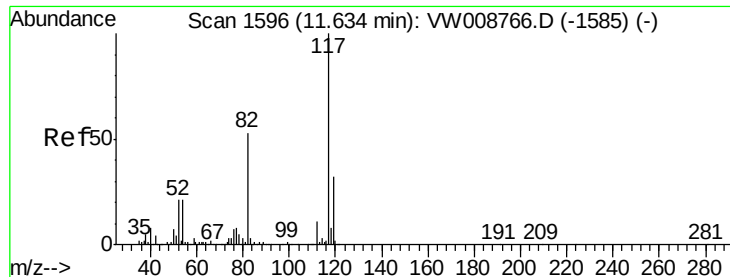
Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

176 84.1 0.0 163.6

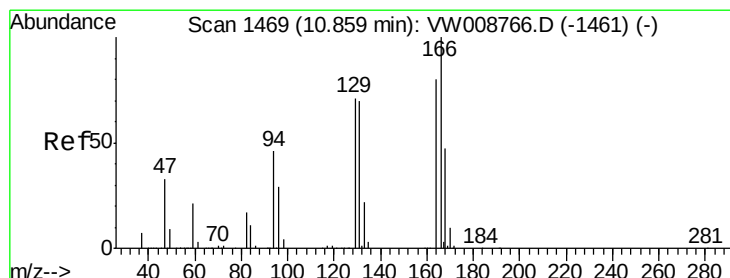
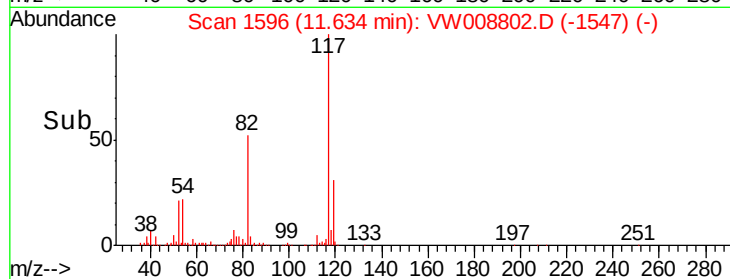
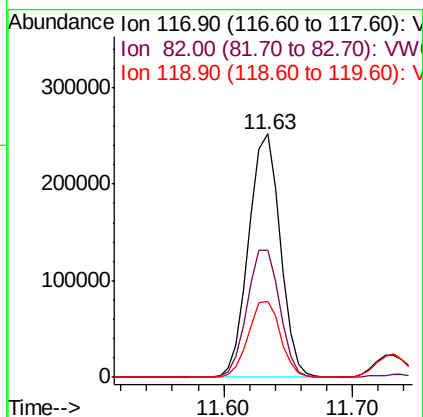
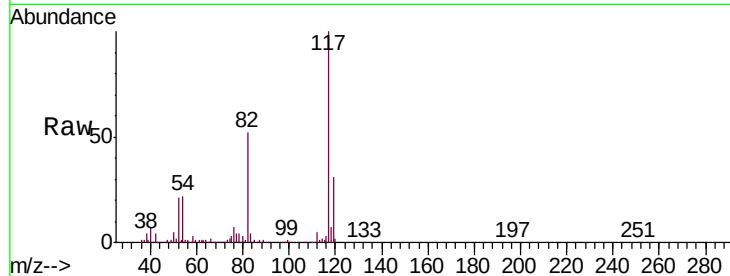




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

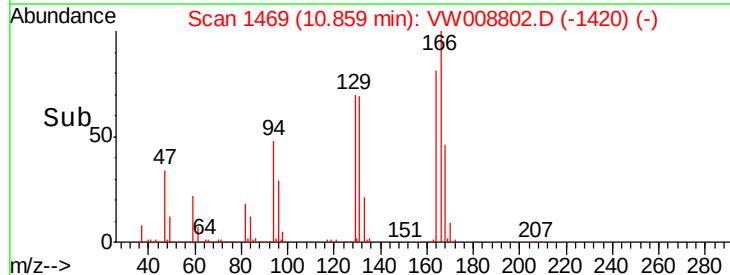
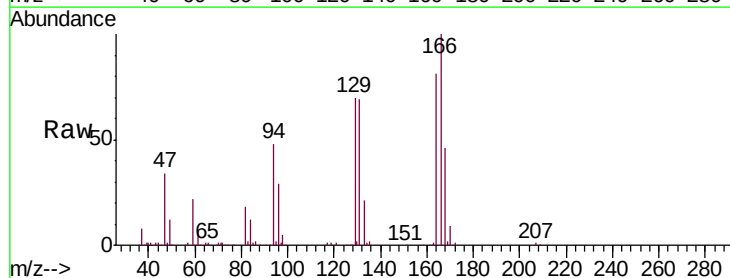
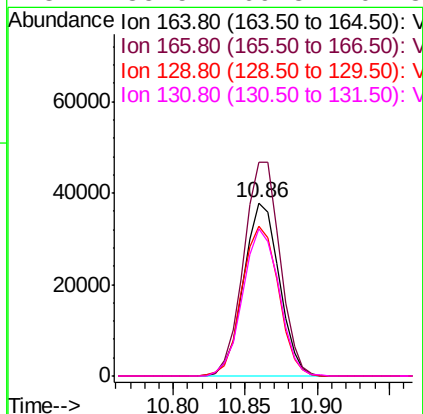
Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

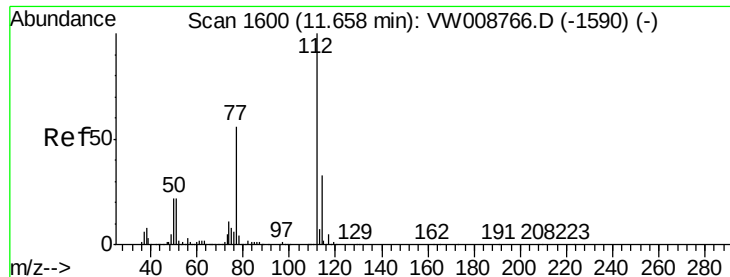
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	31.1	25.9	38.9



#64
Tetrachloroethene
Concen: 21.166 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	99.5	149.3
129	86.7	71.1	106.7
131	85.5	69.8	104.8





#65

Chlorobenzene

Concen: 21.145 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

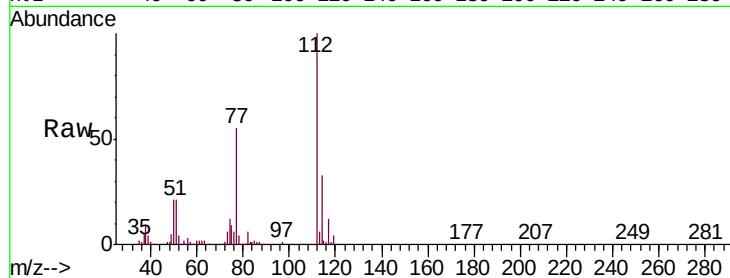
VW0225SBS01

Tgt Ion:112 Resp: 189271

Ion Ratio Lower Upper

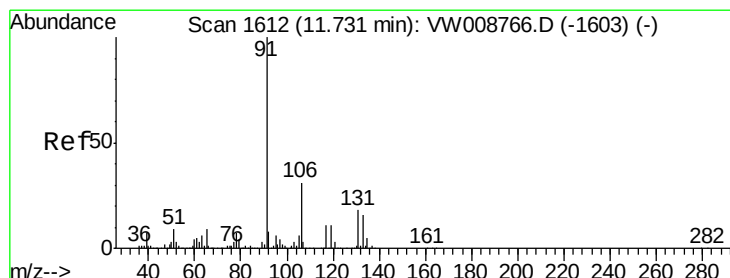
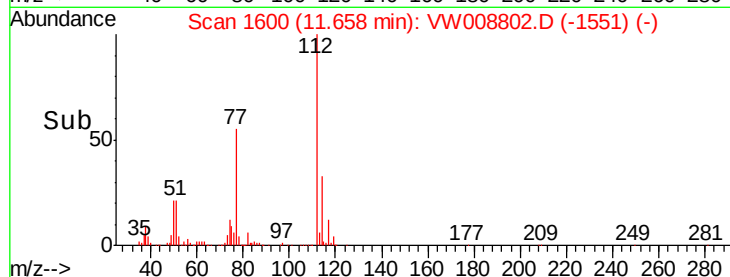
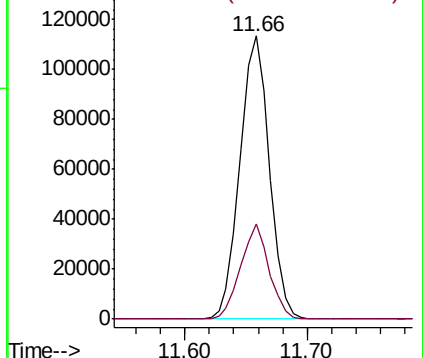
112 100

114 33.4 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.224 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

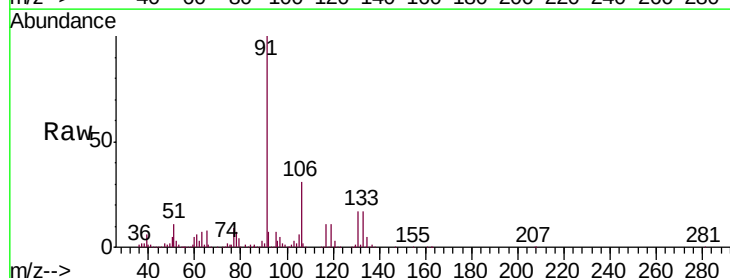
Tgt Ion:131 Resp: 64235

Ion Ratio Lower Upper

131 100

133 97.8 46.7 140.0

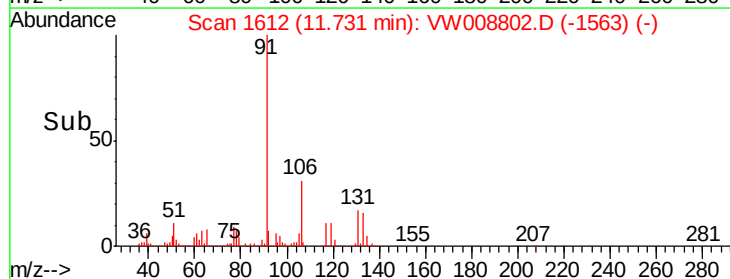
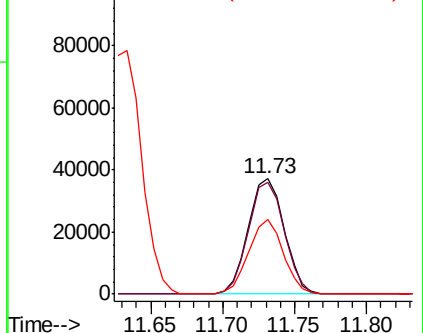
119 62.4 30.8 92.4

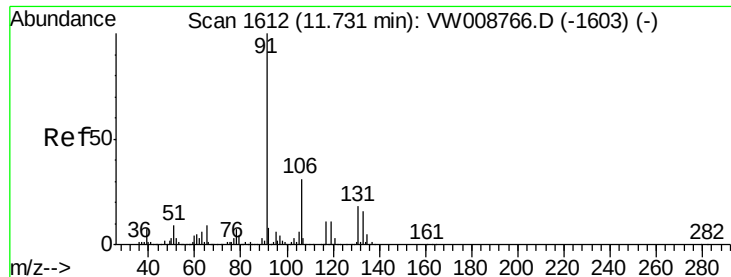


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

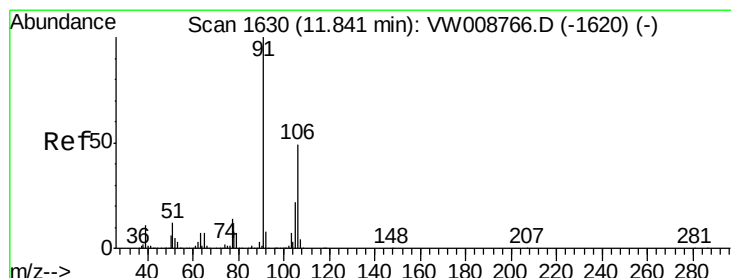
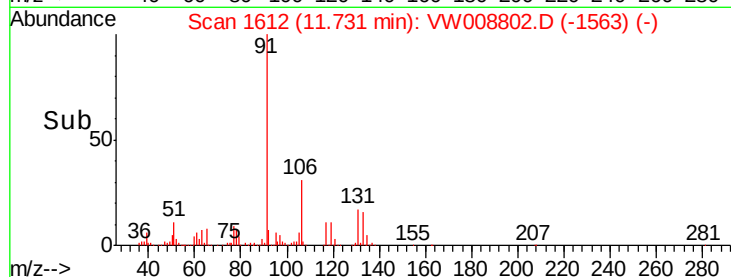
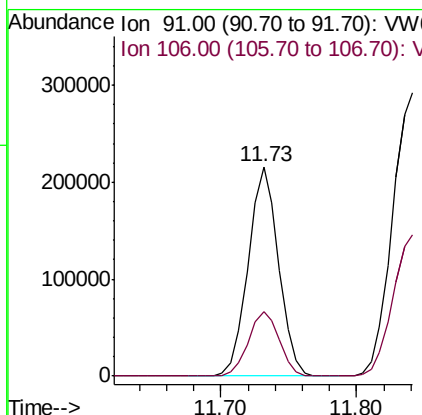
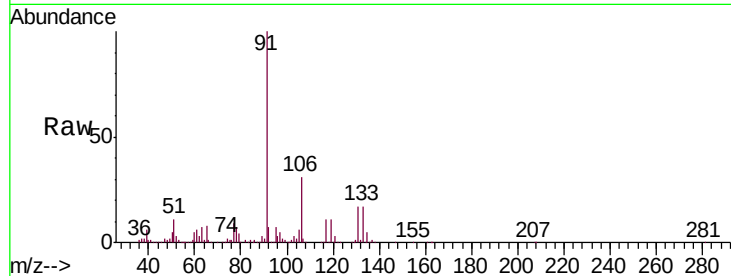




#67
Ethyl Benzene
Concen: 21.132 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

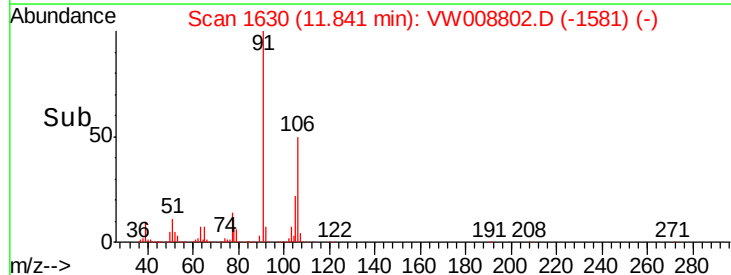
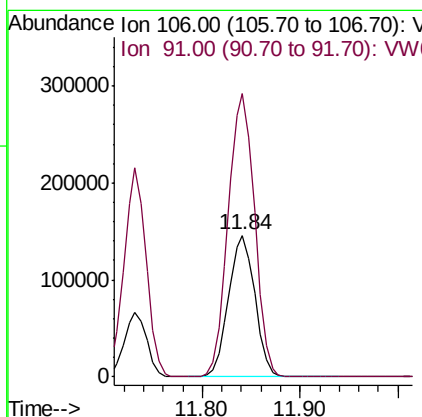
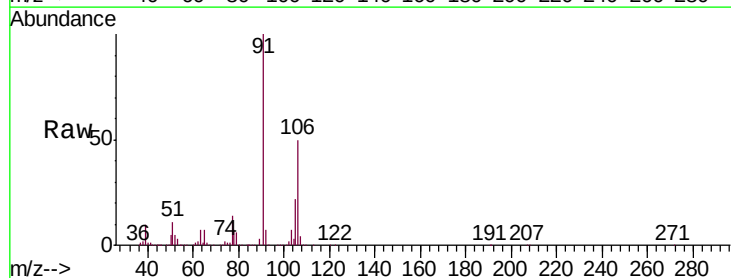
Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

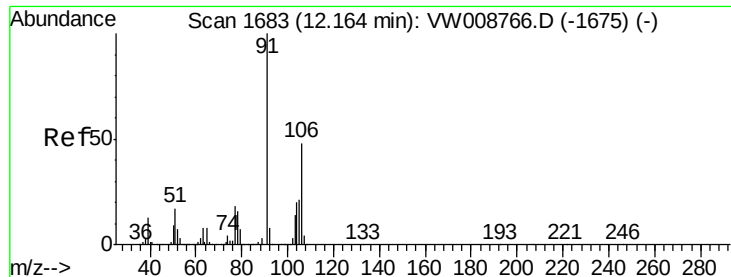
Tgt Ion: 91 Resp: 338140
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6



#68
m/p-Xylenes
Concen: 42.563 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion: 106 Resp: 272126
Ion Ratio Lower Upper
106 100
91 201.1 161.5 242.3

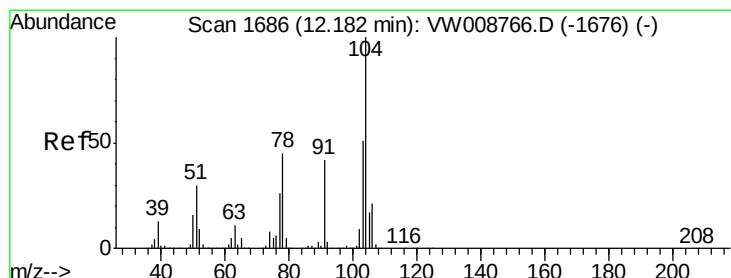
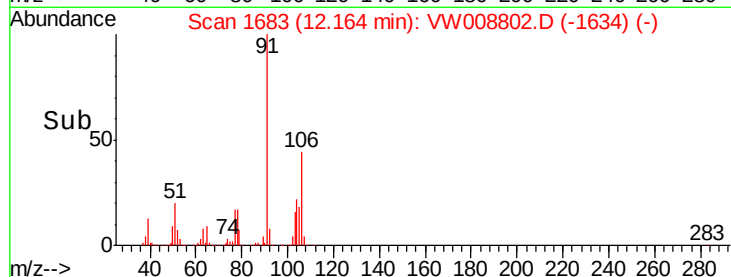
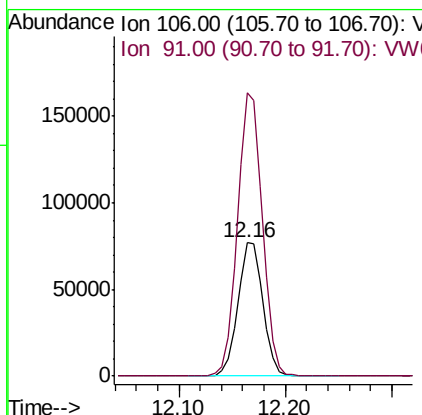
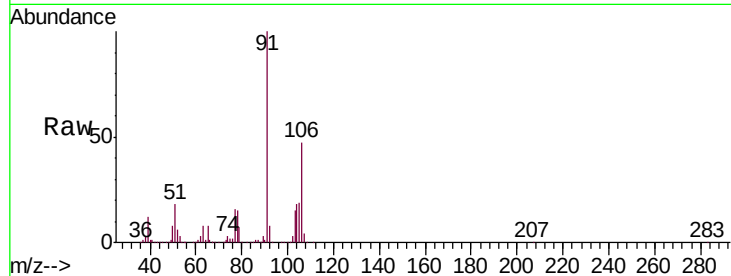




#69
o-Xylene
Concen: 21.182 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

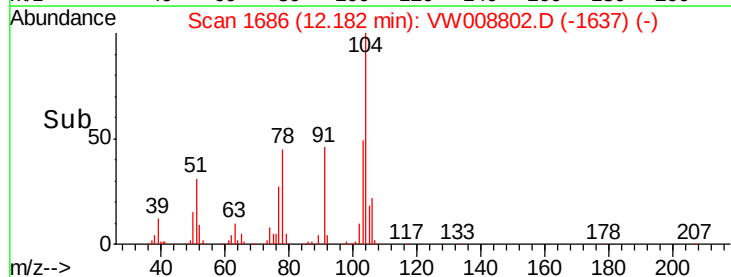
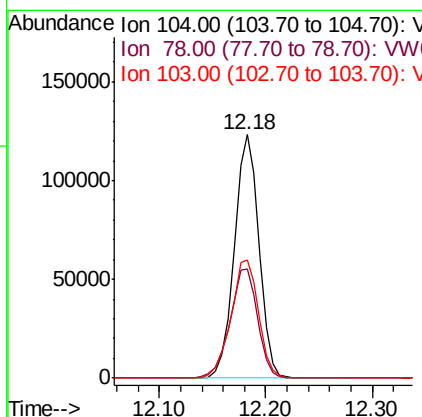
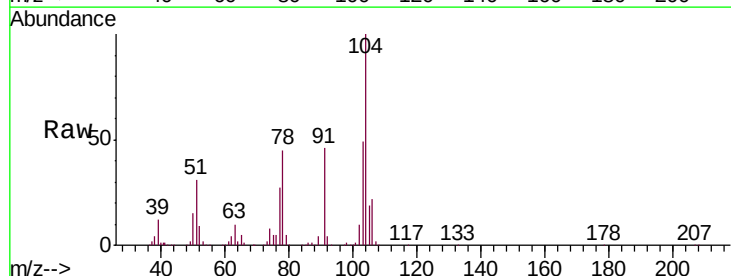
Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

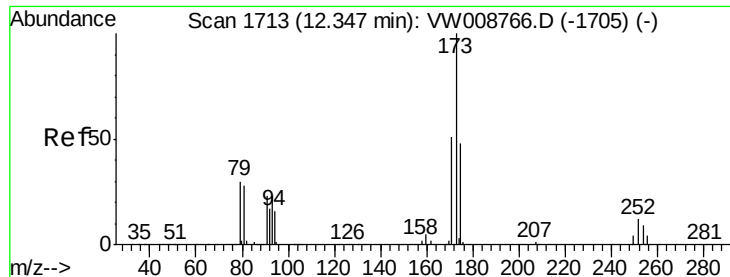
Tgt Ion:106 Resp: 127110
Ion Ratio Lower Upper
106 100
91 210.5 106.2 318.6



#70
Styrene
Concen: 20.640 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion:104 Resp: 199272
Ion Ratio Lower Upper
104 100
78 50.4 40.8 61.2
103 54.5 44.2 66.2





#71

Bromoform

Concen: 19.036 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

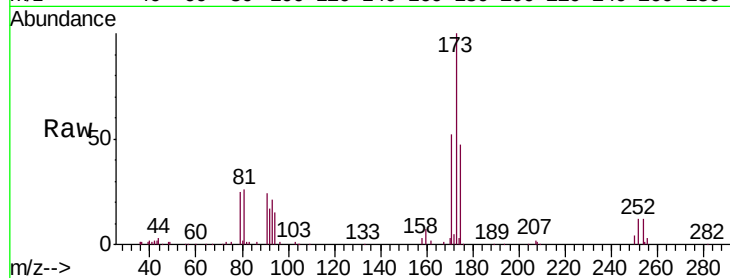
Tgt Ion:173 Resp: 30970

Ion Ratio Lower Upper

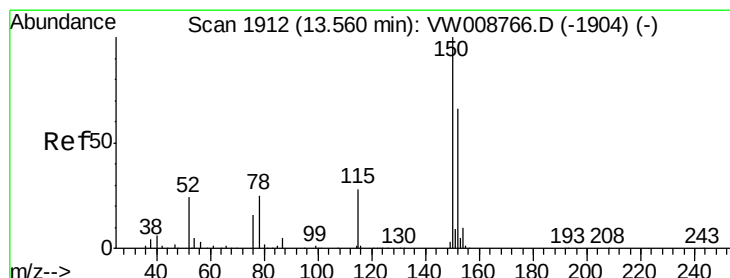
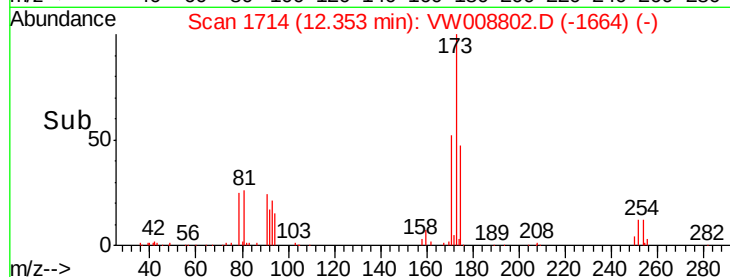
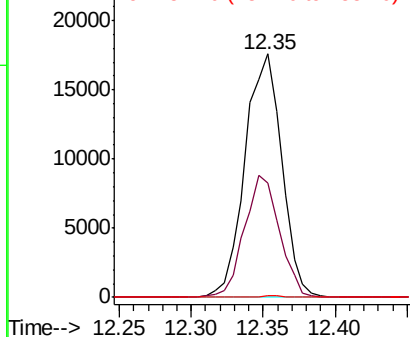
173 100

175 48.0 24.2 72.6

254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

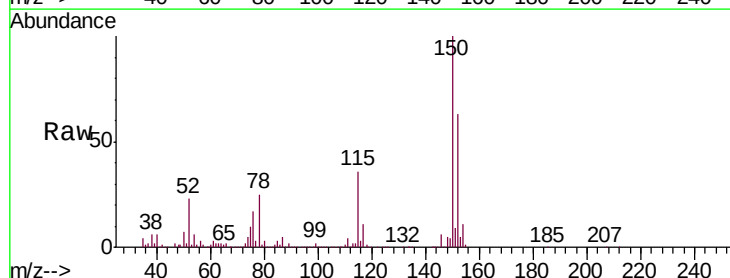
Tgt Ion:152 Resp: 230927

Ion Ratio Lower Upper

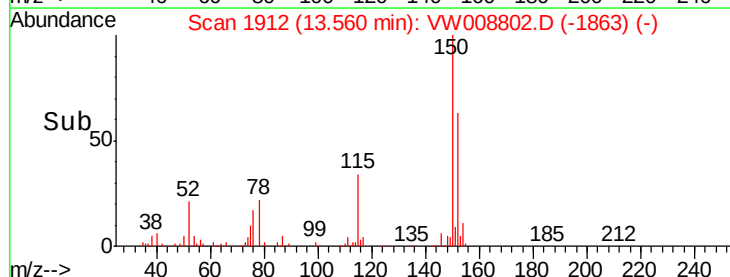
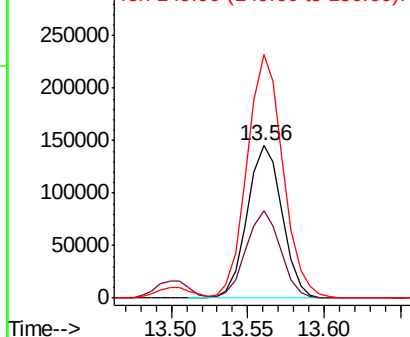
152 100

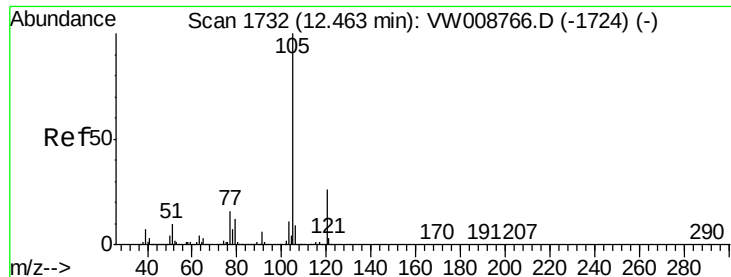
115 56.4 28.6 85.8

150 164.0 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.820 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

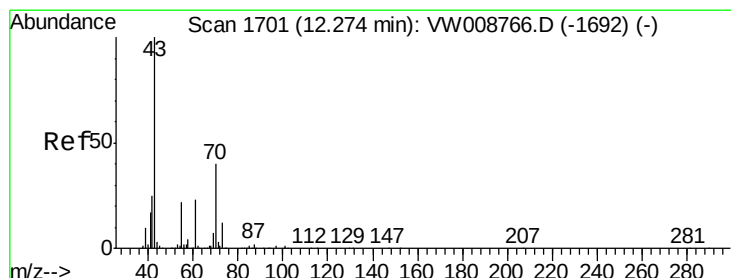
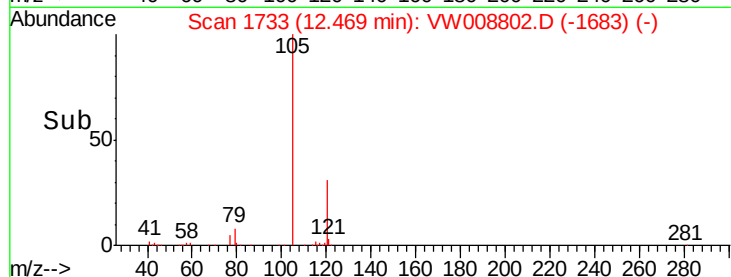
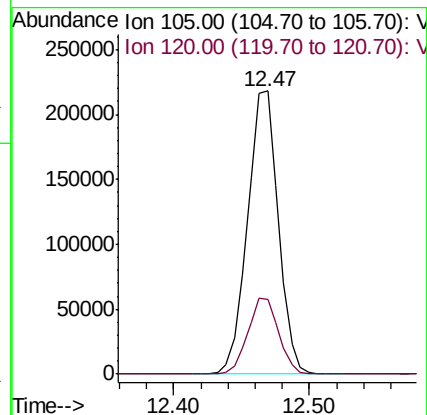
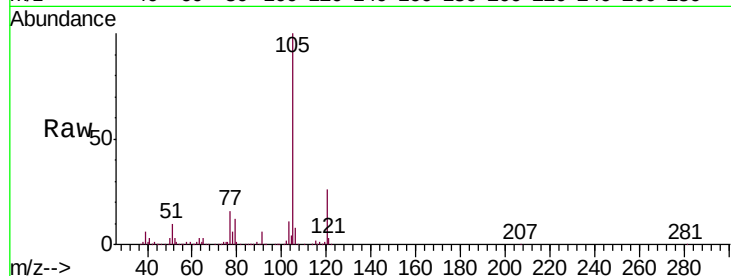
VW0225SBS01

Tgt Ion:105 Resp: 345431

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 16.919 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Tgt Ion: 43 Resp: 67467

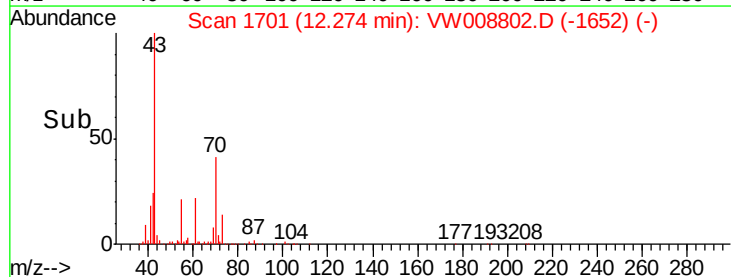
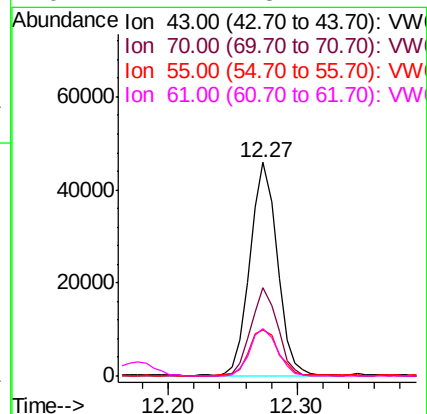
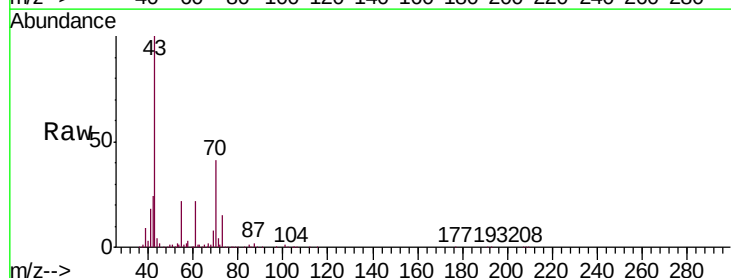
Ion Ratio Lower Upper

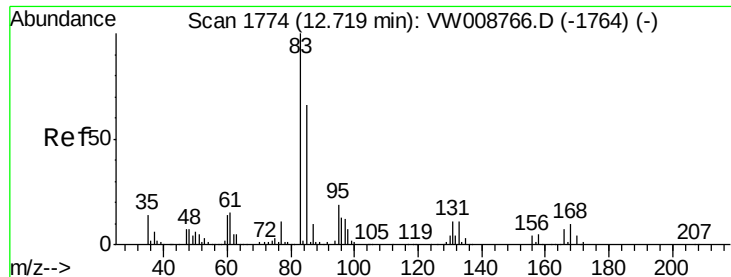
43 100

70 41.0 31.0 46.6

55 24.0 18.7 28.1

61 22.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.694 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

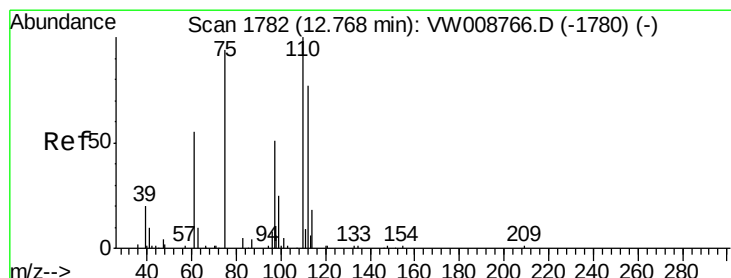
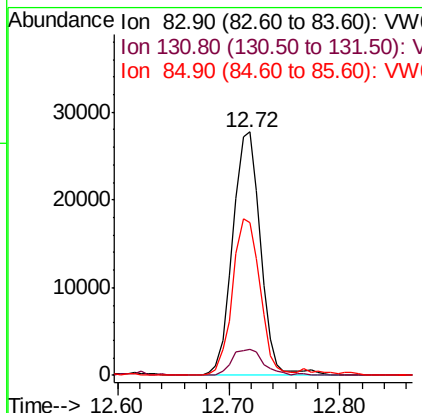
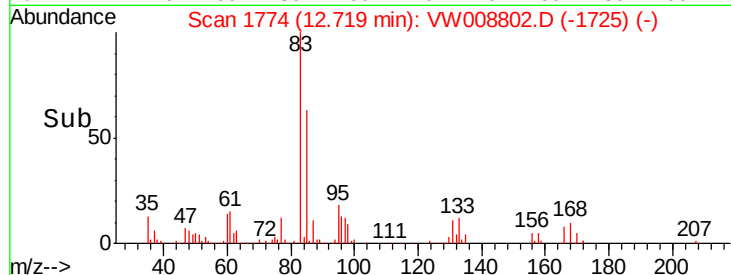
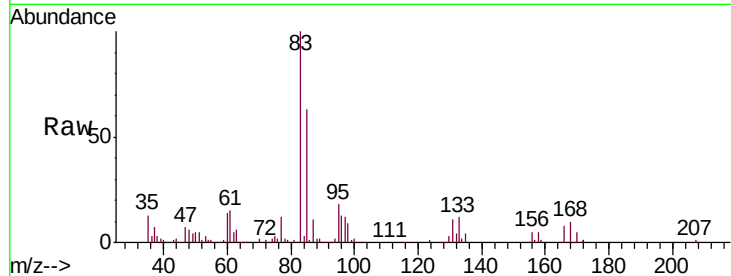
Tgt Ion: 83 Resp: 48356

Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.7

85 63.5 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 34.692 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008802.D

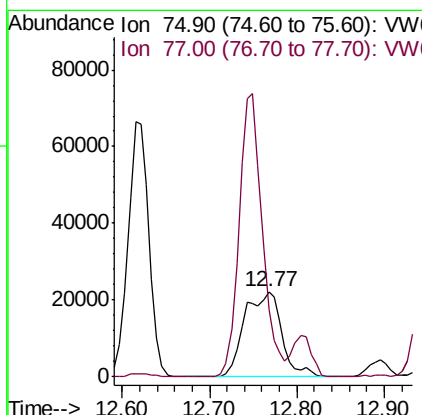
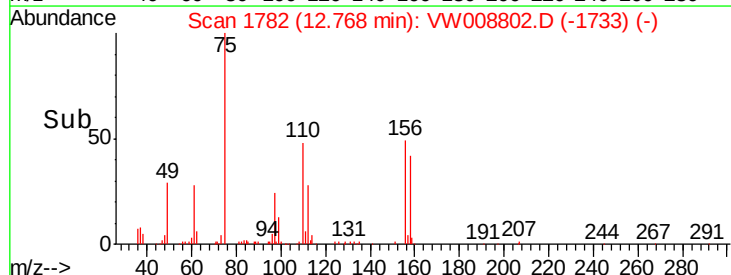
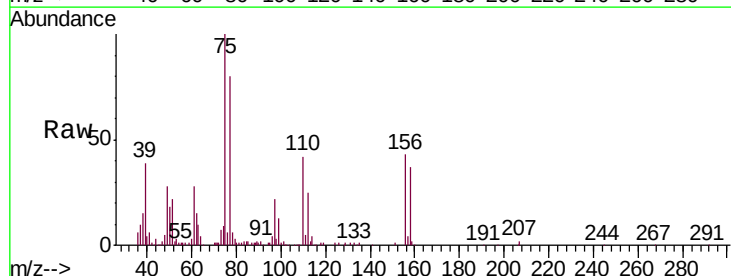
Acq: 25 Feb 2019 13:09

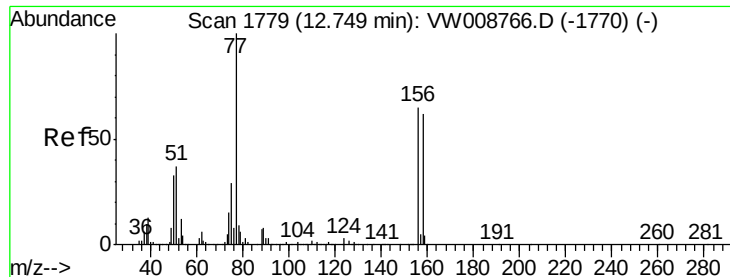
Tgt Ion: 75 Resp: 66145

Ion Ratio Lower Upper

75 100

77 207.1 0.0 0.0#





#77

Bromobenzene

Concen: 21.092 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

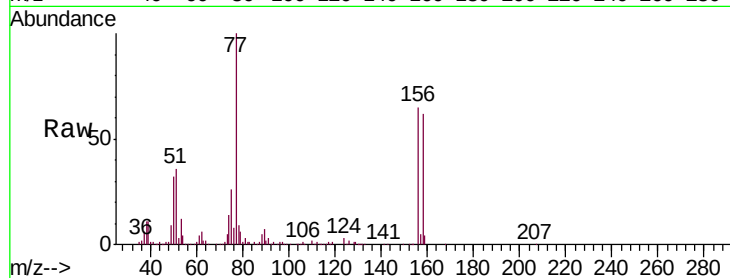
Tgt Ion:156 Resp: 78907

Ion Ratio Lower Upper

156 100

77 173.6 89.1 267.4

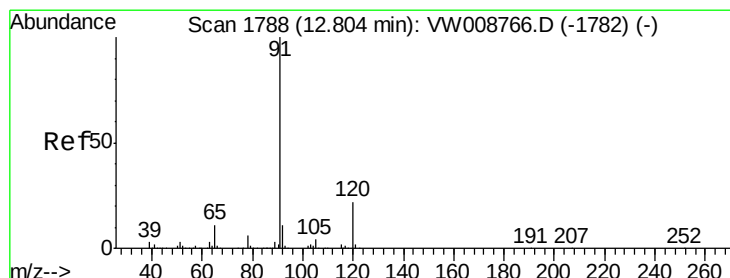
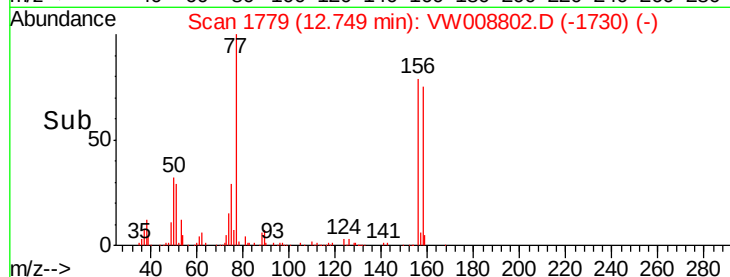
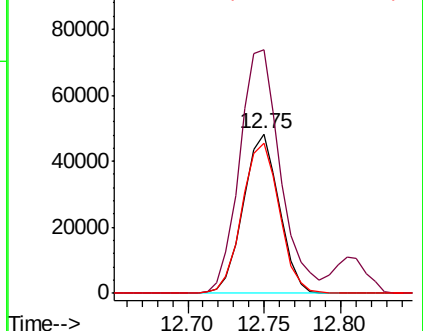
158 97.6 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.761 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008802.D

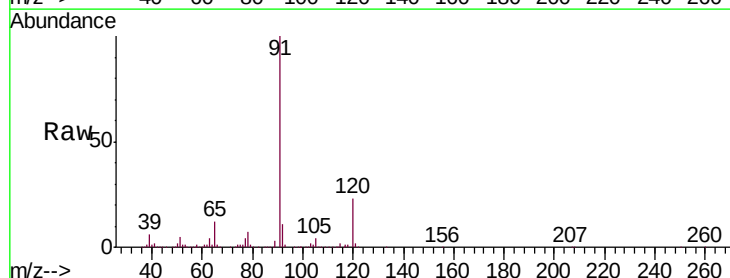
Acq: 25 Feb 2019 13:09

Tgt Ion: 91 Resp: 421410

Ion Ratio Lower Upper

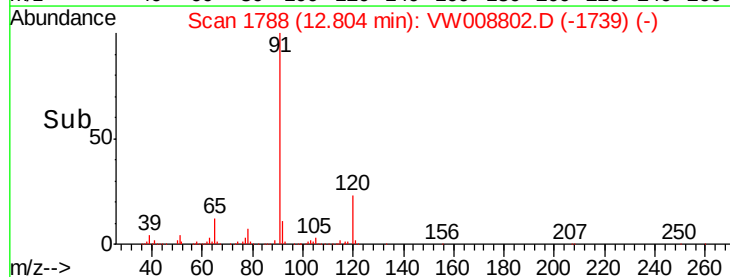
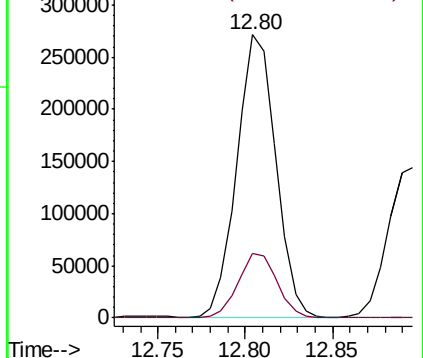
91 100

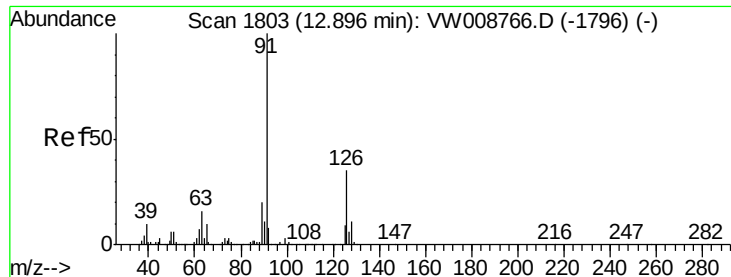
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.183 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

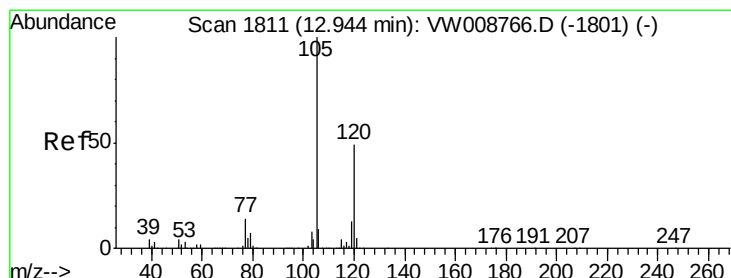
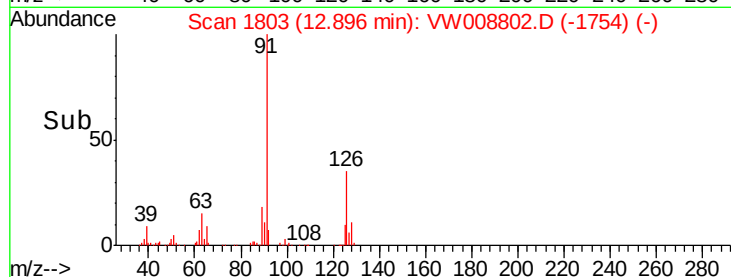
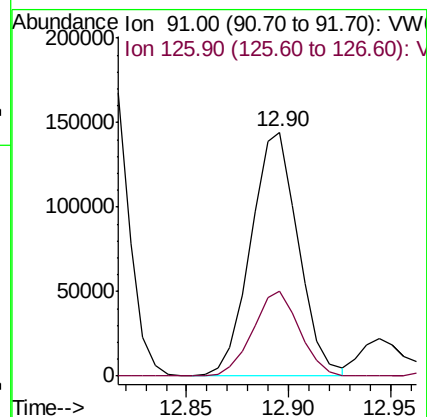
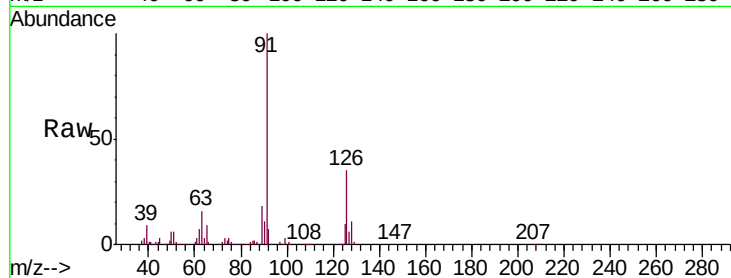
VW0225SBS01

Tgt Ion: 91 Resp: 232897

Ion Ratio Lower Upper

91 100

126 34.4 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 21.790 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008802.D

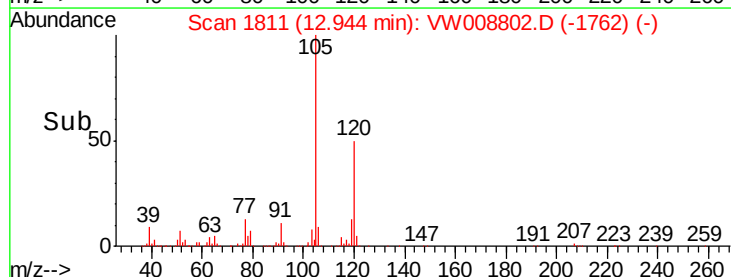
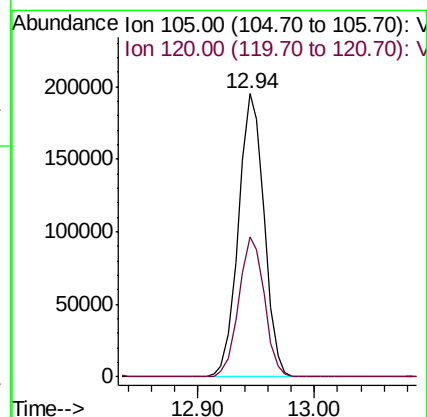
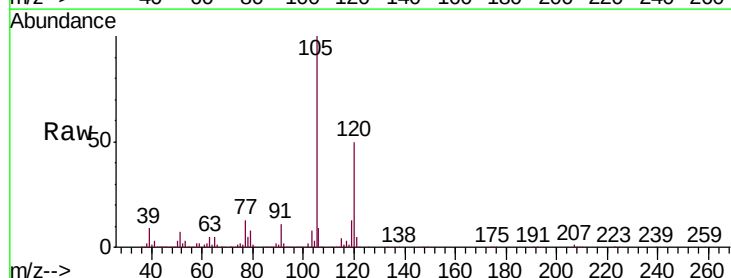
Acq: 25 Feb 2019 13:09

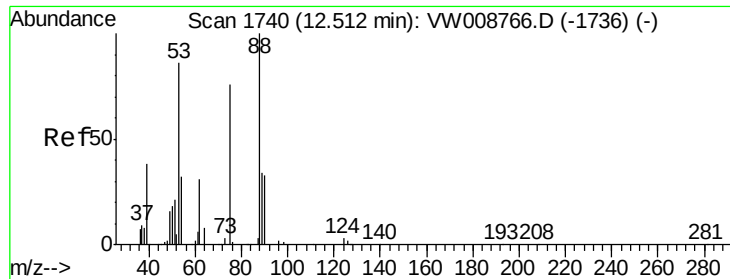
Tgt Ion: 105 Resp: 299774

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.319 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

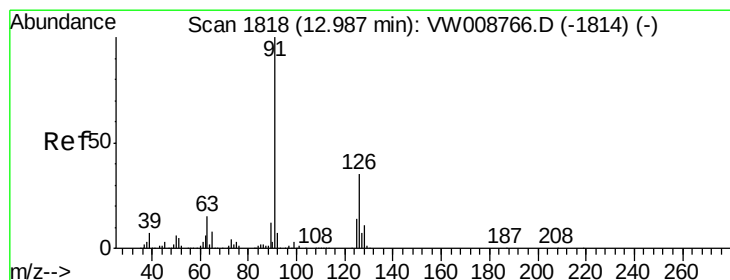
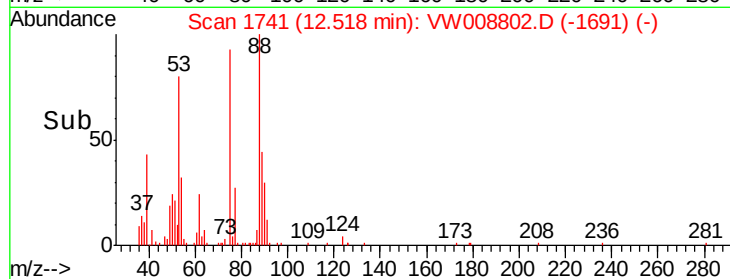
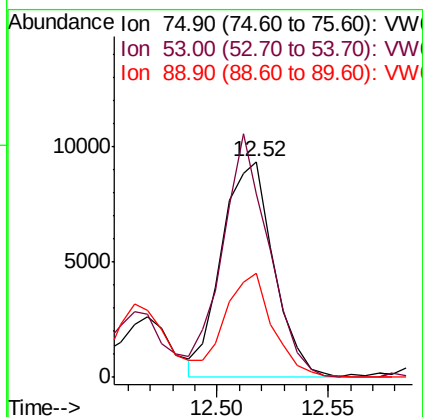
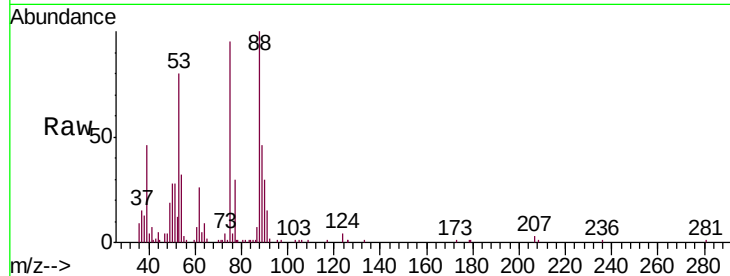
Tgt Ion: 75 Resp: 15151

Ion Ratio Lower Upper

75 100

53 100.5 88.2 132.2

89 45.3 39.5 59.3



#82

4-Chlorotoluene

Concen: 21.624 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008802.D

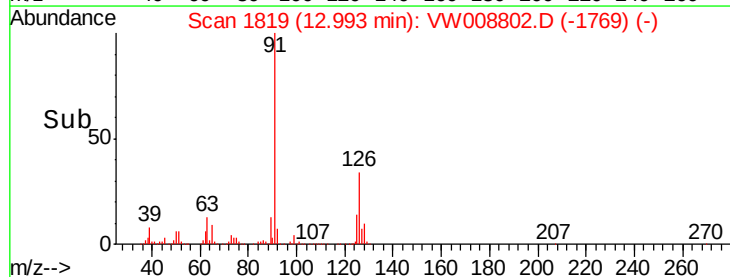
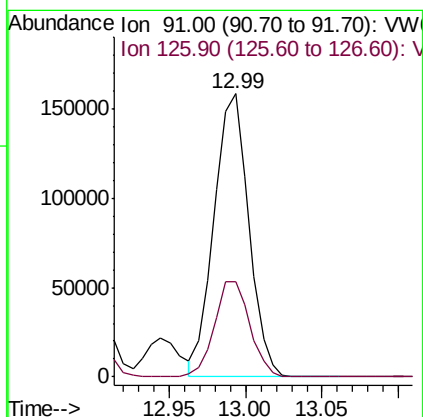
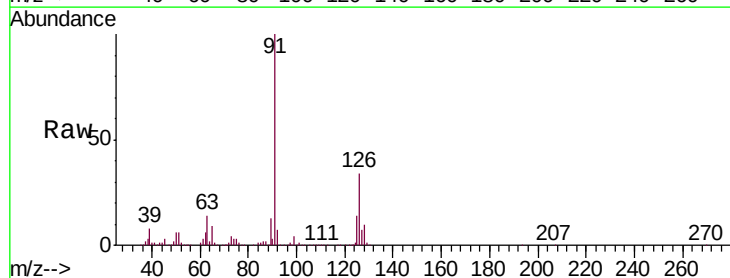
Acq: 25 Feb 2019 13:09

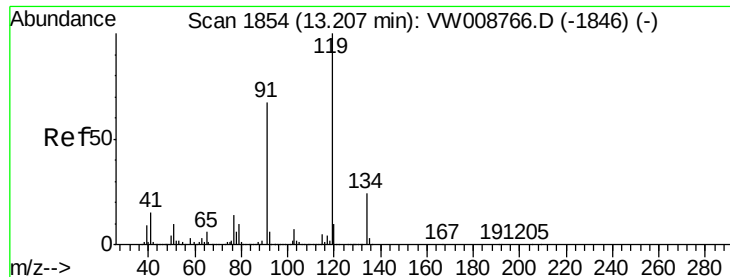
Tgt Ion: 91 Resp: 250542

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6

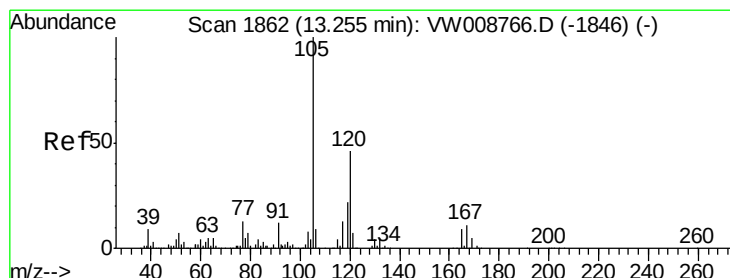
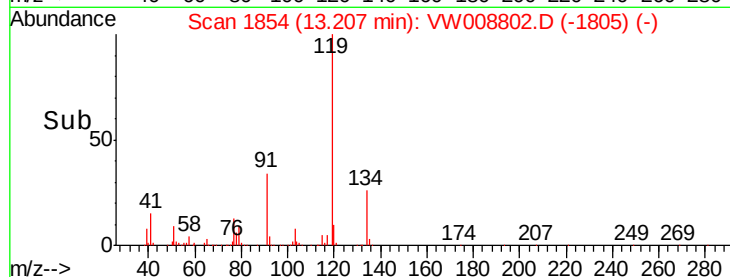
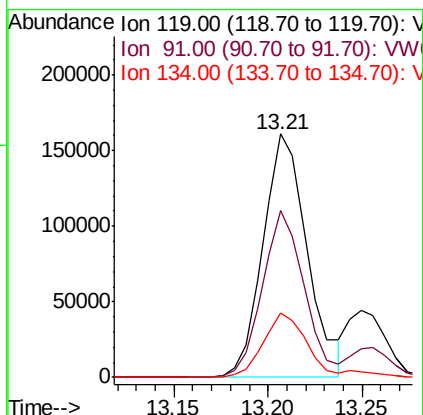
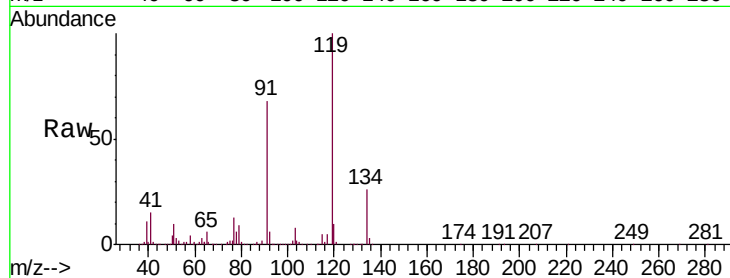




#83
 tert-Butylbenzene
 Concen: 22.079 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

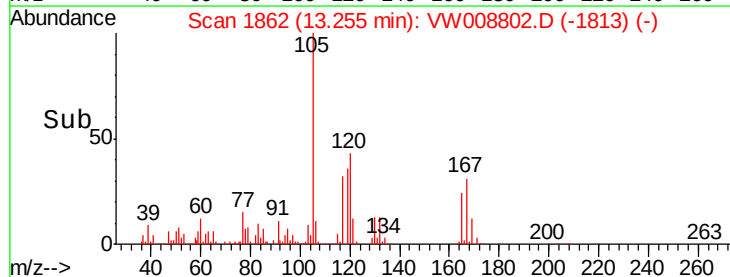
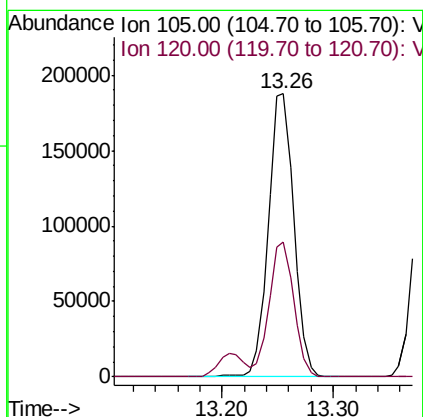
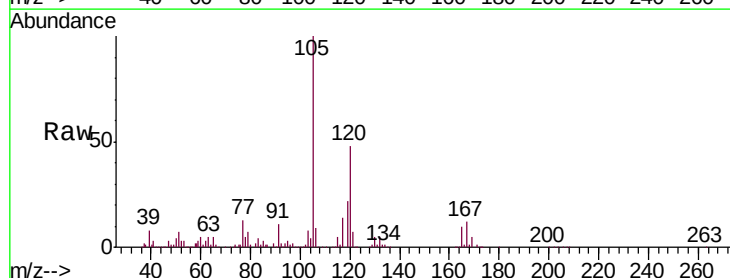
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

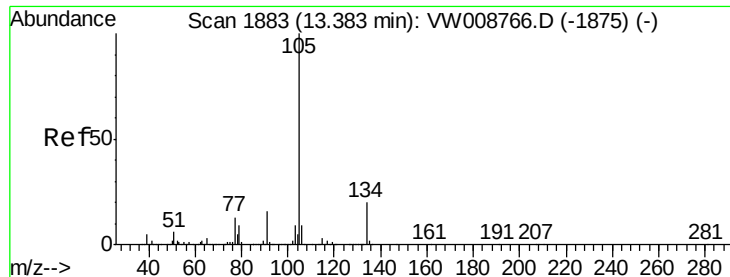
Tgt Ion:119 Resp: 262642
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.6 100.8
 134 25.4 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.103 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion:105 Resp: 300535
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.815 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampled :

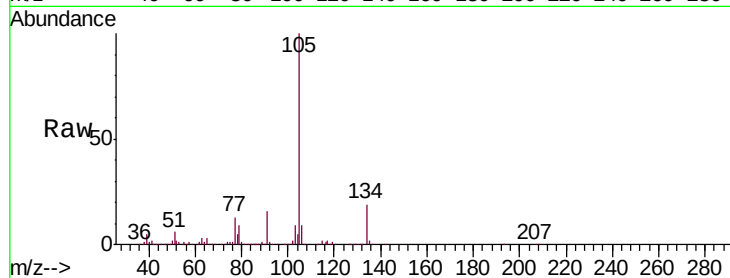
VW0225SBS01

Tgt Ion:105 Resp: 373132

Ion Ratio Lower Upper

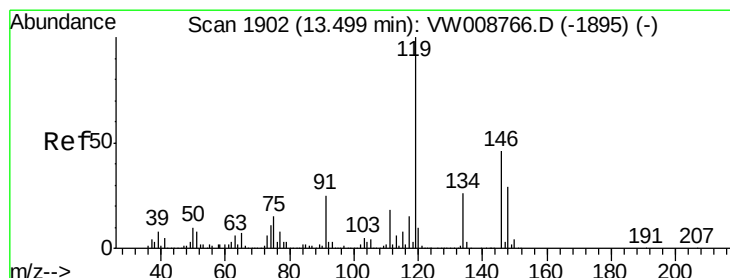
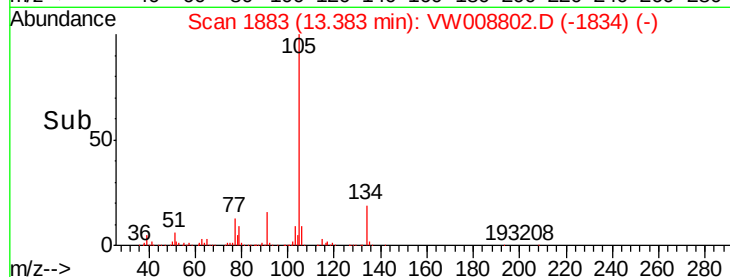
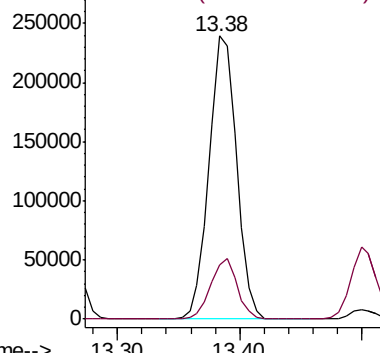
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.393 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

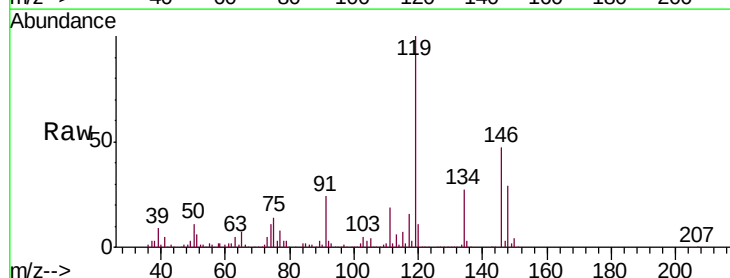
Tgt Ion:119 Resp: 335459

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

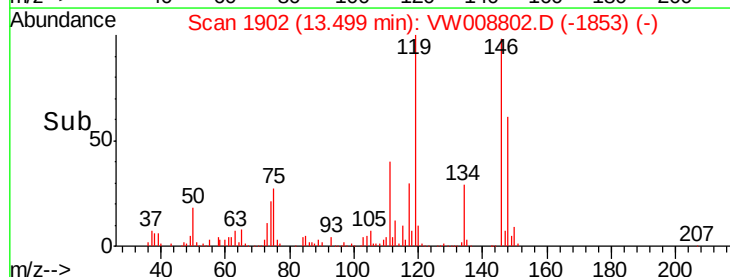
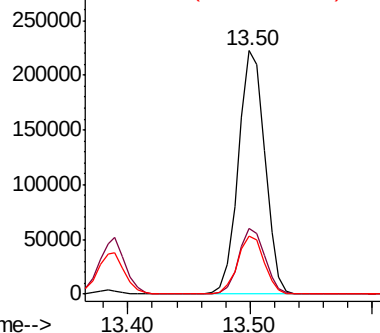
91 24.0 12.1 36.3

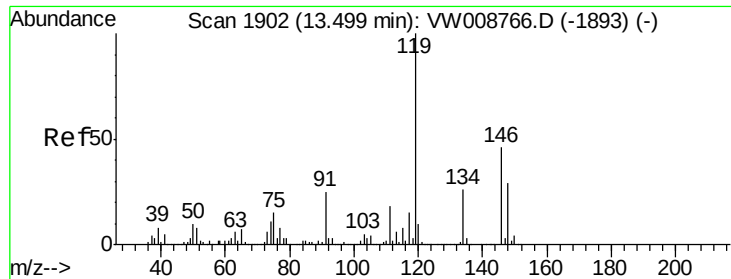


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

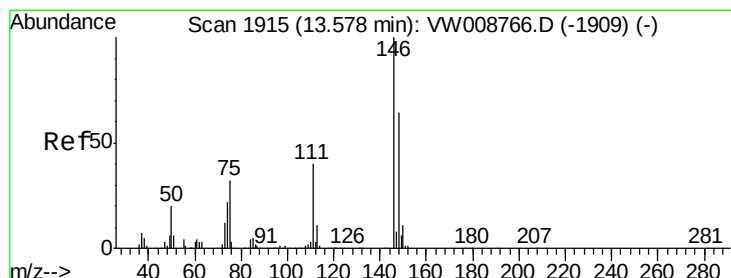
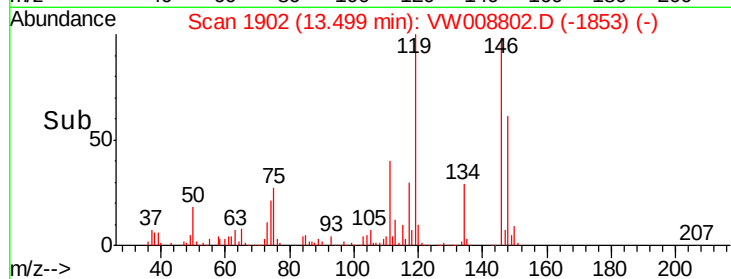
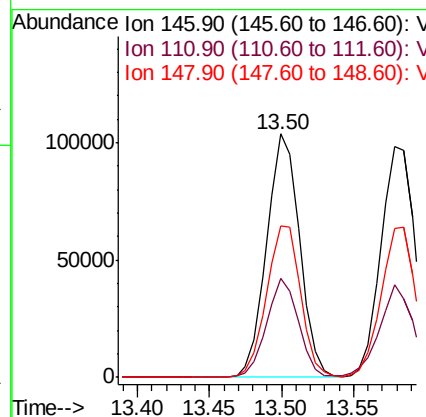
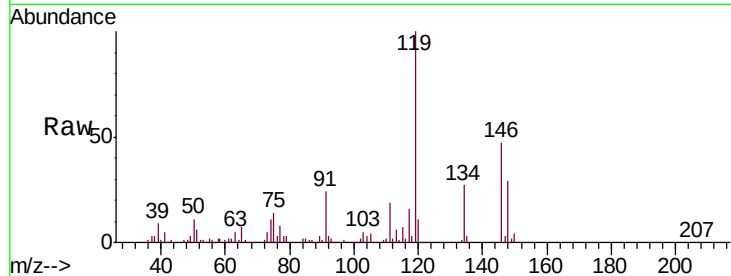




#87
 1,3-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

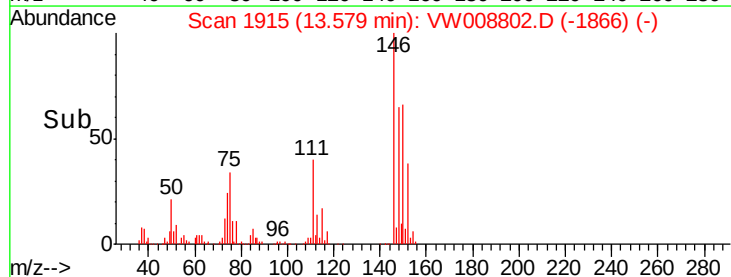
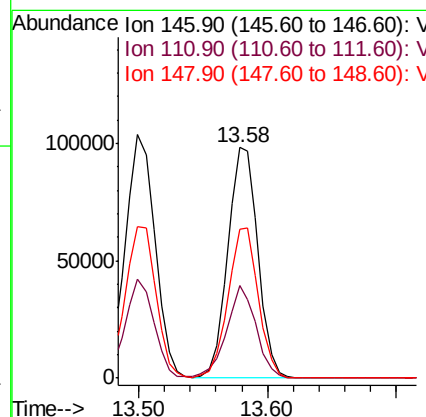
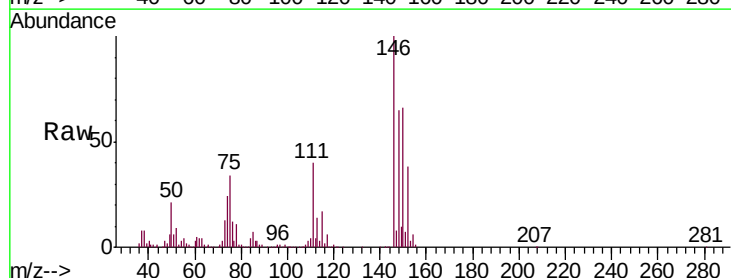
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

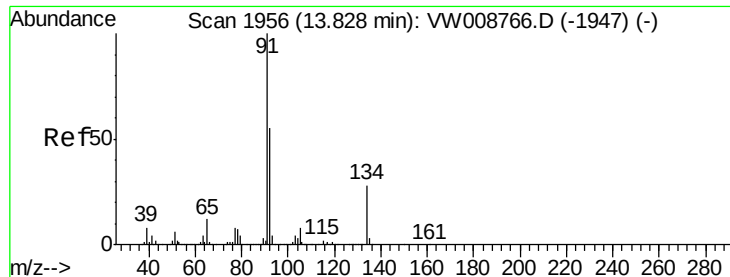
Tgt Ion:146 Resp: 164871
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.9 59.7
 148 64.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.027 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion:146 Resp: 160854
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.3 57.9
 148 65.8 31.9 95.9





#89

n-Butylbenzene

Concen: 21.744 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

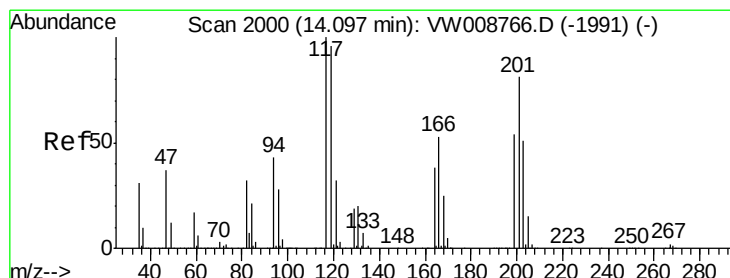
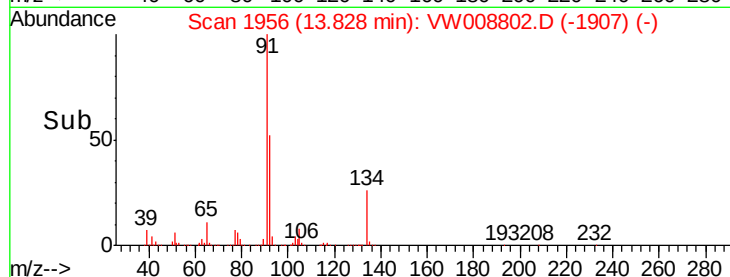
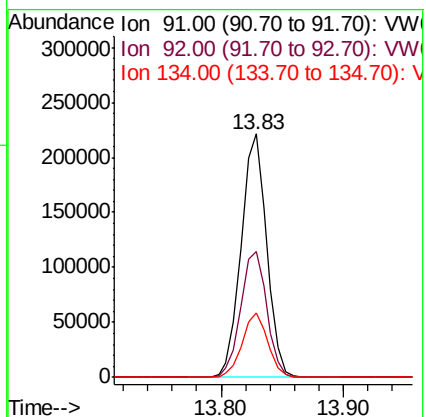
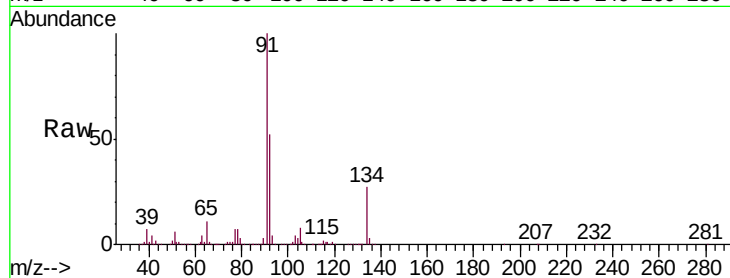
Tgt Ion: 91 Resp: 319428

Ion Ratio Lower Upper

91 100

92 52.9 26.8 80.4

134 26.7 13.5 40.4



#90

Hexachloroethane

Concen: 22.160 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008802.D

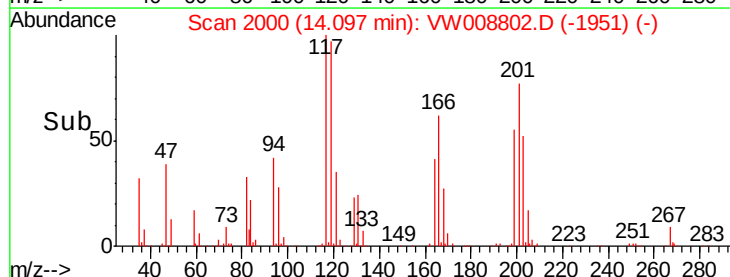
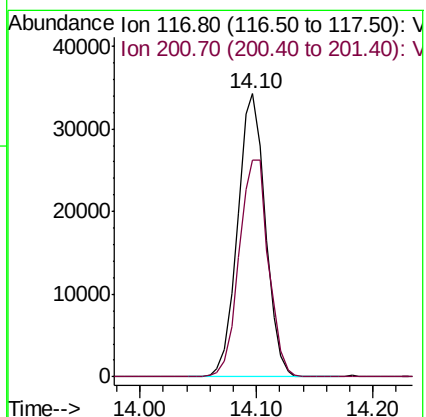
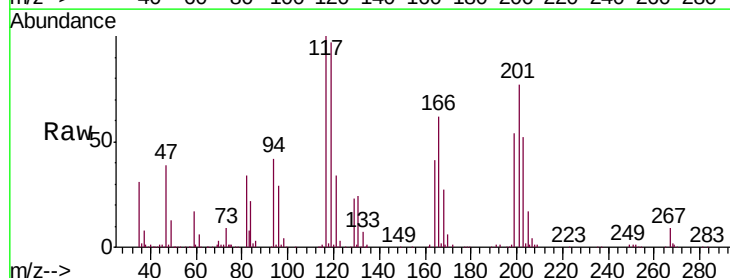
Acq: 25 Feb 2019 13:09

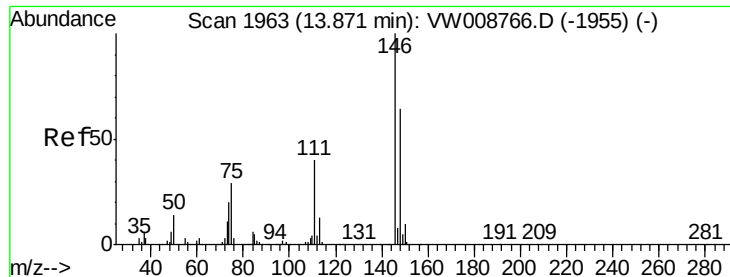
Tgt Ion: 117 Resp: 56885

Ion Ratio Lower Upper

117 100

201 81.4 40.3 120.8





#91

1,2-Dichlorobenzene

Concen: 20.185 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0225SBS01

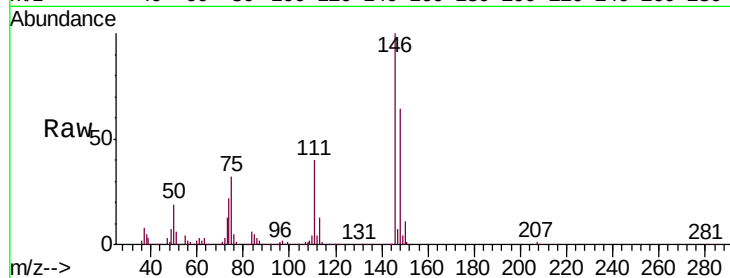
Tgt Ion:146 Resp: 139596

Ion Ratio Lower Upper

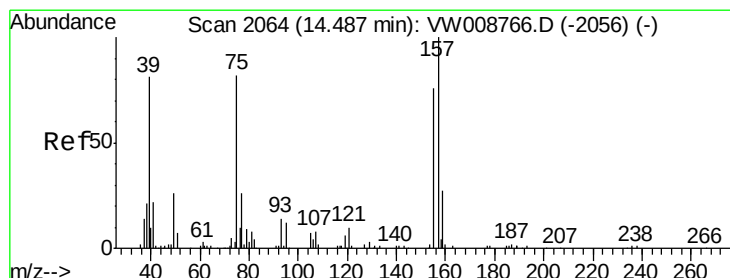
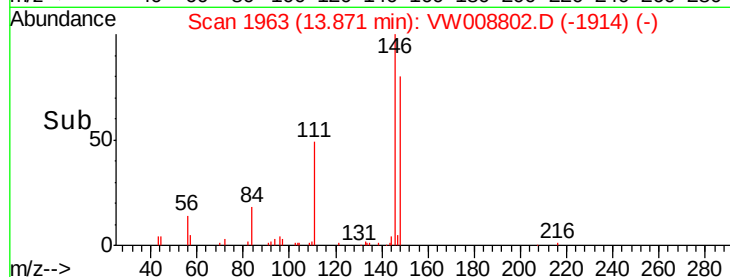
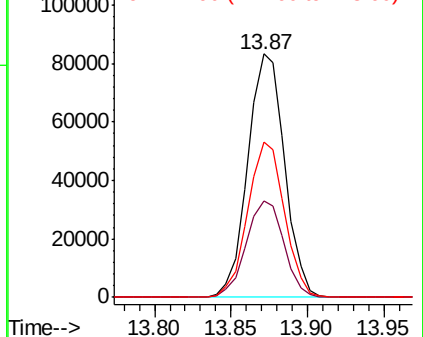
146 100

111 40.5 20.3 60.8

148 63.4 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.898 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008802.D

Acq: 25 Feb 2019 13:09

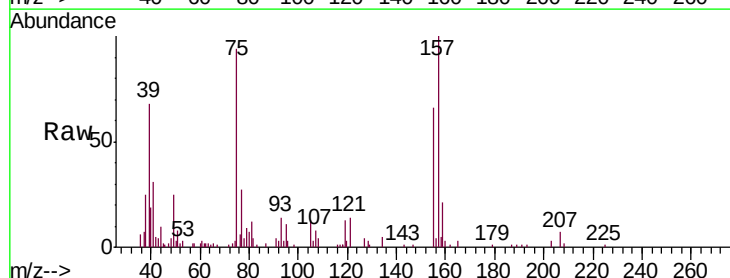
Tgt Ion: 75 Resp: 8375

Ion Ratio Lower Upper

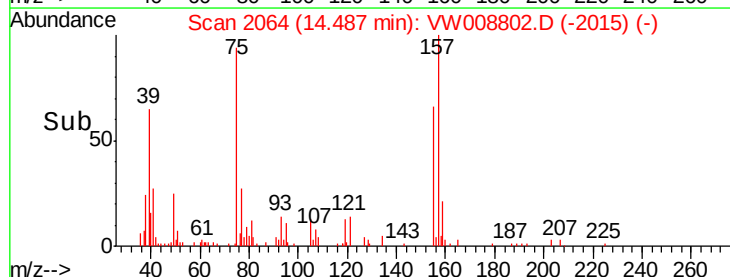
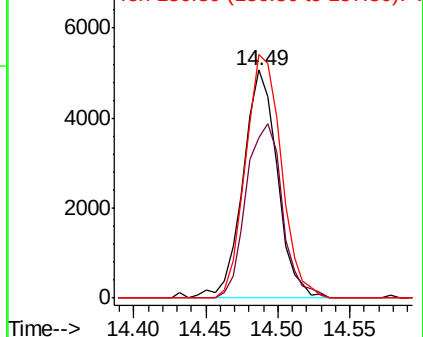
75 100

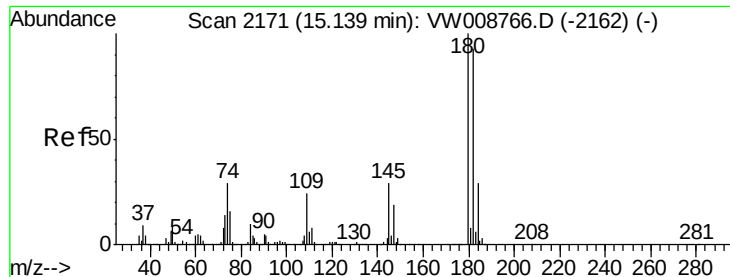
155 80.3 41.8 125.4

157 111.1 56.6 169.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

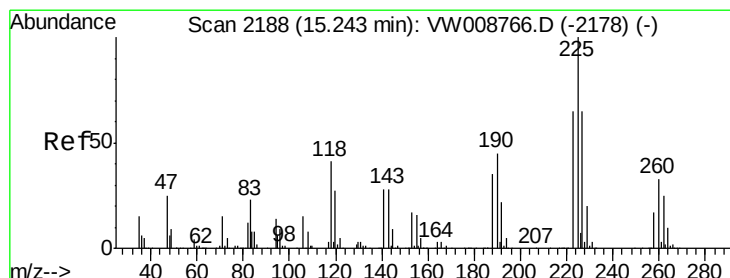
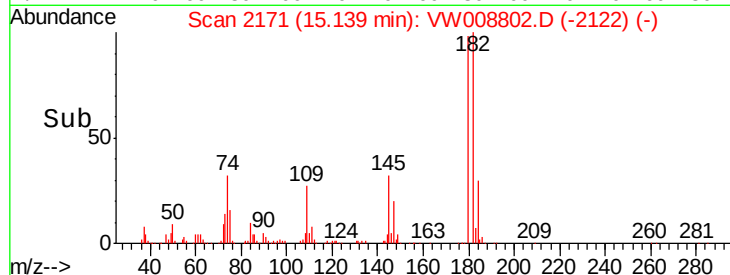
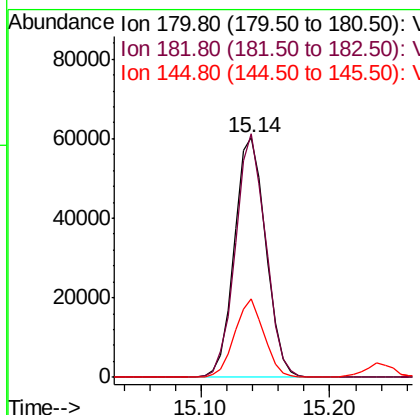
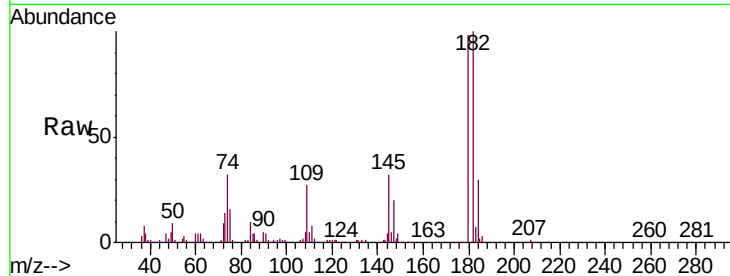




#93
 1,2,4-Trichlorobenzene
 Concen: 20.449 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

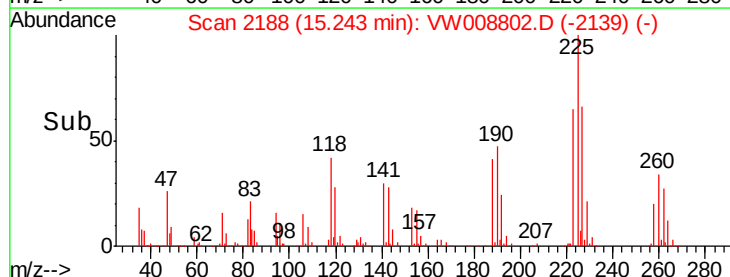
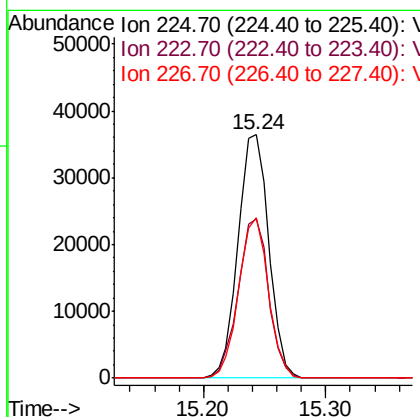
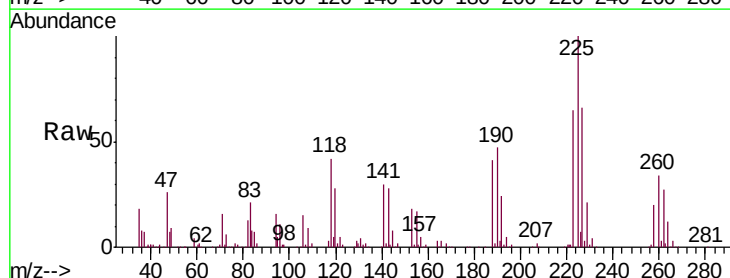
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0225SBS01

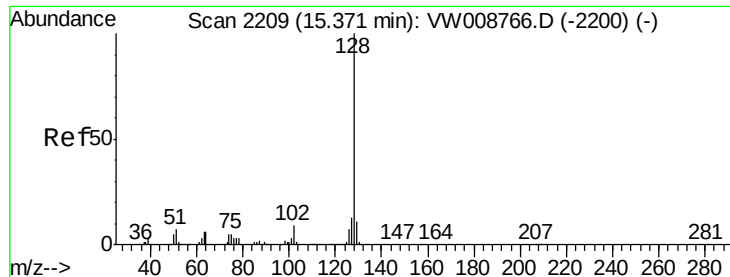
Tgt Ion	Resp	Lower	Upper
180	100		
182	97.5	47.2	141.6
145	30.6	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 21.669 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008802.D
 Acq: 25 Feb 2019 13:09

Tgt Ion	Resp	Lower	Upper
225	100		
223	64.8	31.5	94.5
227	63.6	31.6	94.8

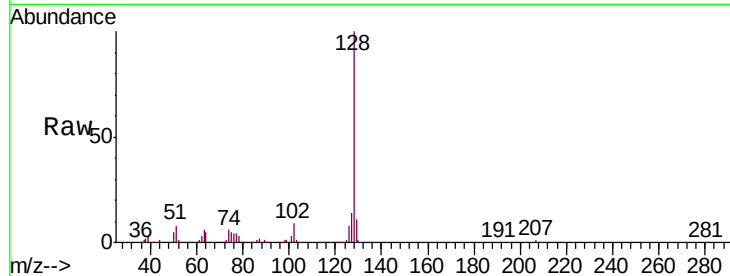




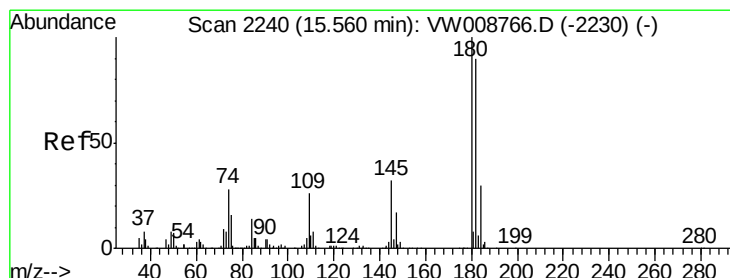
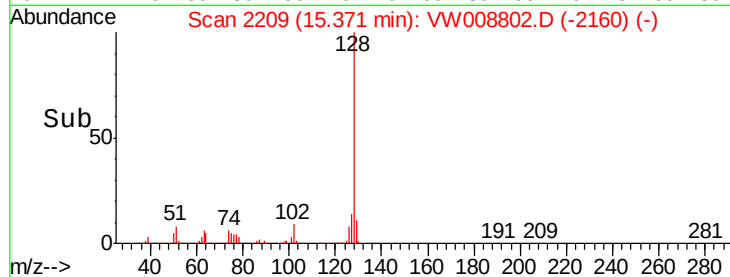
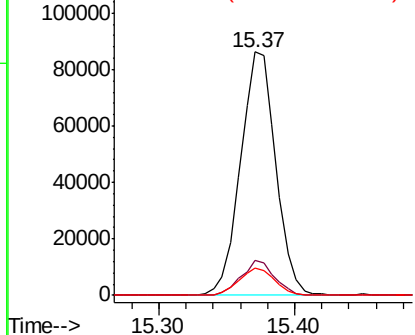
#95
Naphthalene
Concen: 18.382 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0225SBS01

Tgt Ion:128 Resp: 155954
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.2 8.7 13.1

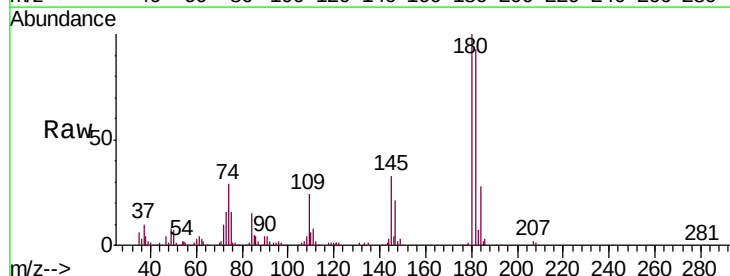


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.549 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008802.D
Acq: 25 Feb 2019 13:09

Tgt Ion:180 Resp: 88534
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.8
145 30.4 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

